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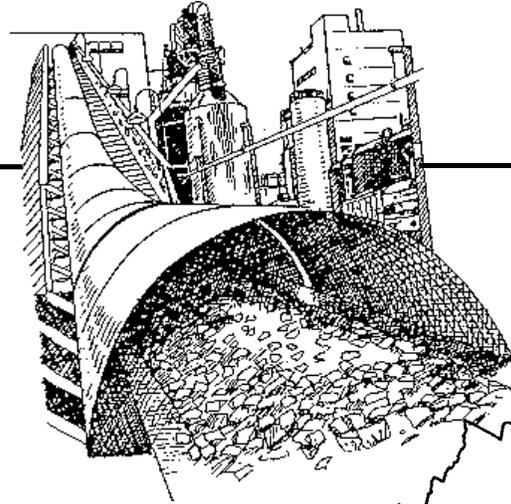
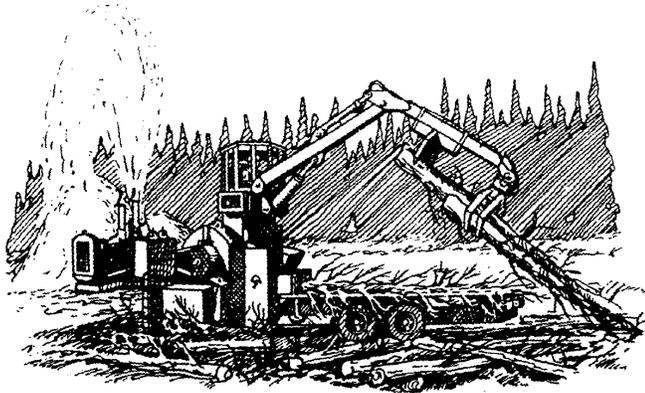


Southern
Research Station

Resource Bulletin
SRS-50

Southern Pulpwood Production, 1998

Tony G. Johnson
Carolyn D. Steppleton



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Note: All tables in this report are available in Microsoft® Excel workbook files. These files will be supplied, upon request, on 3½-inch diskettes.

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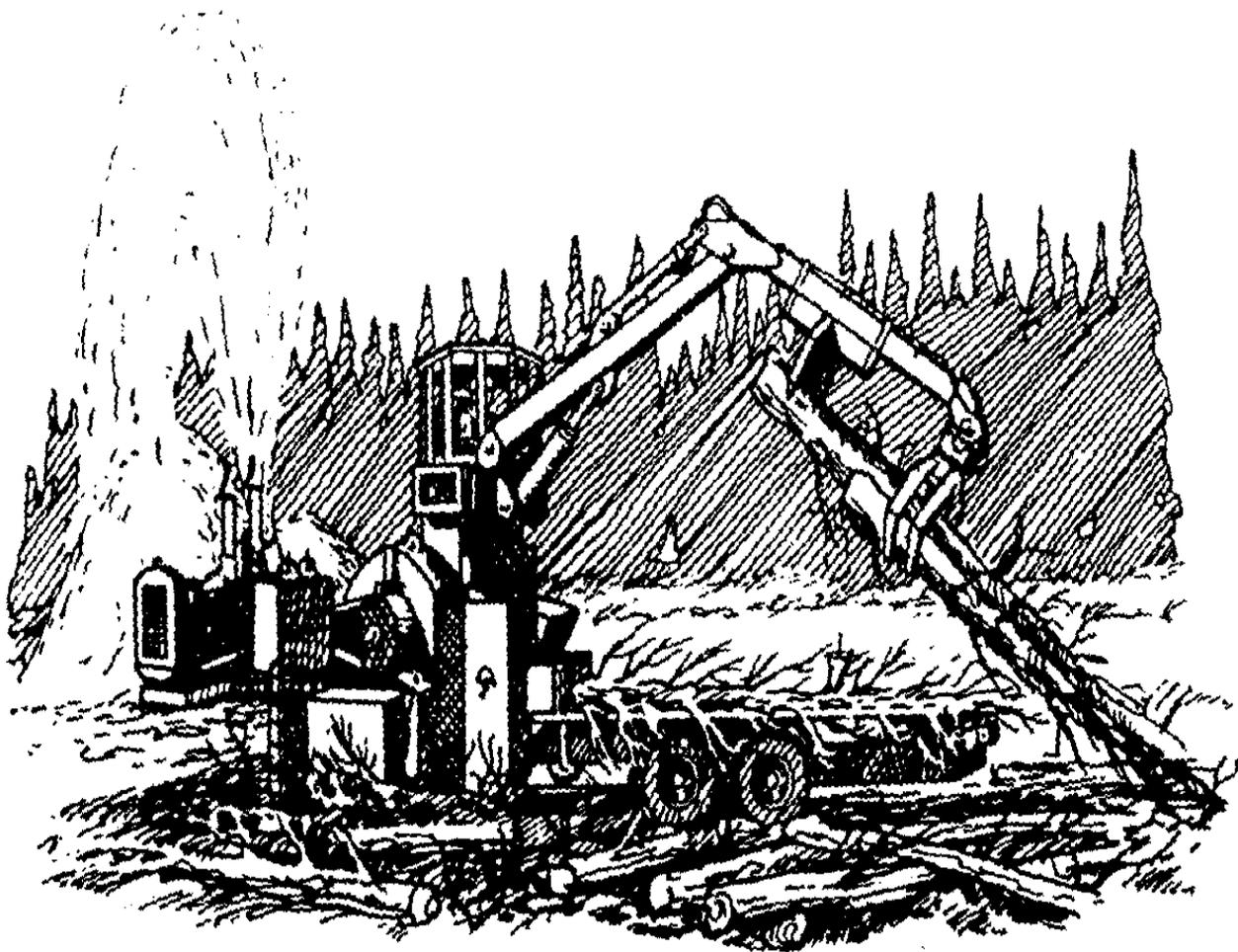
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Southern Pulpwood Production, 1998

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Introduction

This annual publication presents the findings of a 100-percent canvass of pulpmills that draw roundwood or wood residues from the 13 Southern States. Canvass data are compiled, analyzed, and reported annually by the Southern Research Station. One hundred of the 103 mills canvassed responded. Past canvass data and other sources of information were used for mills that did not respond. Mill data reported in nonstandard units were converted to standard cords with regional conversion factors. All production figures are reported in cords. Production expressed in equivalent green tons is reported in tables 1, 2, and 7-19.

Pulpwood

According to the June 1999 issue of *North American Papermaker* (Paper Industry Management Association 1999), falling pulp prices and the Asian financial crisis spurred a major reduction in North American exports of pulp and paper, making 1998 a lackluster year for the North American paper industry. Total U.S. production of paper and paperboard products declined slightly from that

in 1997 to 94.6 million tons in 1998. After an 11-percent increase in 1997, southern pulpwood production was down by 2 percent in 1998 to 74.7 million cords, or 197.3 million green tons. In 1998, the South Central region (consisting of Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas) led in the production of pulpwood. This region supplied 43.0 million cords compared to the Southeast's (Florida, Georgia, North Carolina, South Carolina, and Virginia) production of 31.7 million cords (table 1). Alabama continued to lead the South with 13.6 million cords of pulpwood produced in 1998 (fig. 1), an increase of 4 percent from 1997.

Georgia's production declined 10 percent to 10.2 million cords. Production in Mississippi was down by 4 percent to 9.0 million cords, while Louisiana's production increased 7 percent to 7.4 million cords. North Carolina's production was down 5 percent to 6.9 million cords. Collectively, these five States accounted for 63 percent of the South's total production. Only Alabama, Florida, Kentucky, Louisiana, and Oklahoma reported production increases (table 2). Softwood roundwood and residues combined accounted for 68 percent of the total pulpwood production, while hardwoods accounted for the remainder (table 3).

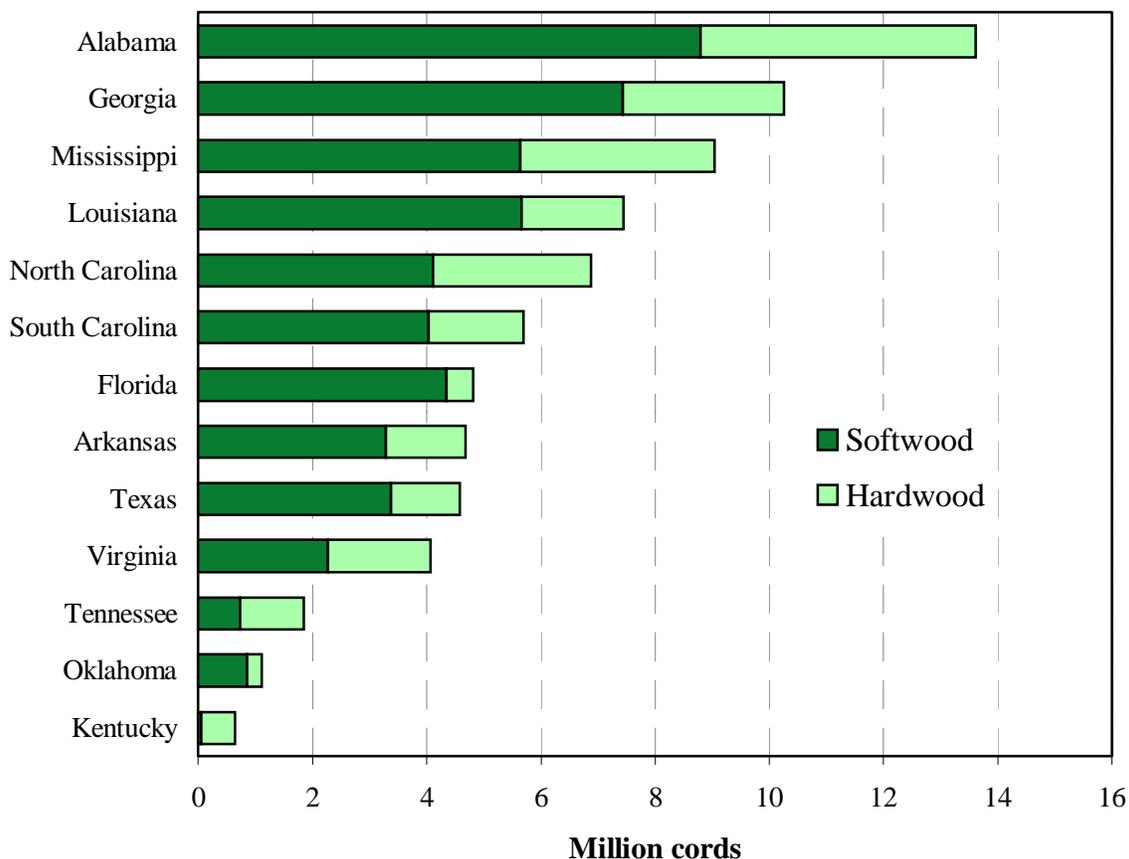


Figure 1—1998 pulpwood production by State and broad species.

Roundwood

Roundwood continues to be the primary fiber source used in pulp manufacture, accounting for 71 percent of the total pulpwood production (fig. 2). Overall, the South's roundwood production was down 3 percent in 1998 to a total of 52.7 million cords (table 4). Softwood accounted for 65 percent of the total roundwood production. Softwood roundwood production increased 1 percent, while hardwood roundwood production declined 8 percent. Alabama led in total roundwood production, with 10.7 million cords, and was the leading producer in both softwood and hardwood roundwood, at 6.5 and 4.2 million cords, respectively. Alabama was followed by Georgia with 7.1 million cords total roundwood, Mississippi with 6.2 million cords, Louisiana with 4.6 million cords, and North Carolina with 4.5 million cords. The combined roundwood production for these five States made up 63 percent of the total roundwood production for the Southern States.

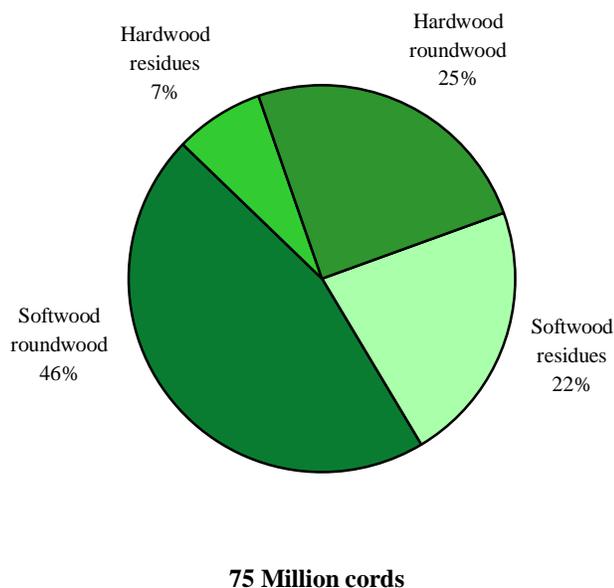


Figure 2—Distribution of total production by roundwood and residues.

Wood Residues

Mills report two types of receipts: (1) roundwood and (2) wood residues. The second category is primarily chips. An unknown proportion of the residue was chipped in the woods or was received at a primary processor (i.e., sawmill or veneer mill) as roundwood and subsequently chipped. Thus, an unknown proportion of the wood chips received at pulpmills as residues should be treated as roundwood because it was not a byproduct of the milling process. However, these data are only obtained from a complete canvass of all commodities for each State and are not available for this report.

With this in mind, in 1998, wood residue production in the South increased 1 percent to 21.9 million cords (table 5). Seventy-five percent of the wood residues produced were softwoods. Chipped residues accounted for almost all the residue produced (table 6). Georgia led all States in the production of wood residues at 3.1 million cords, followed by Alabama, Mississippi, and Louisiana with 2.9 million cords each. The South Central region led the Southeast region in wood residue production, supplying 59 percent of the total residue volume.

Parish or County Production

Tables 7-19 report parish (hereafter referred to as county) and county patterns of roundwood pulpwood production. Wood residues are not included in these figures because the county of origin for the residues is difficult, if not impossible, to determine. Of the 1,002 counties encompassed by the Southern States, 906 counties produced both softwood and hardwood roundwood. Twenty-three of the 906 producing counties harvested more than 250,000 cords of softwood and hardwood roundwood combined. Most of these counties were concentrated in Alabama. Seventeen percent, or 154 counties evenly distributed across the South, had roundwood production ranging between 100,000 and 250,000 cords. The remaining counties had production of less than 100,000 cords. Figures 3 and 4 display softwood and hardwood roundwood production in cords per square mile, which discounts the size of the county and presents a more equitable display of production. The counties in the darkest shade of green were those counties with production of more than 100 cords per square mile. For softwoods, 223 counties across the South had production of more than 100 cords per square mile, while 69 counties had hardwood production in this range (table I).

Table I—Number of producing counties in the South, by range of cords per square mile for softwood and hardwood roundwood, 1998

Range	Softwood	Hardwood
	<i>Number of counties</i>	
0	72	44
0.001–10.0	220	253
10.1–50.0	200	372
50.1–100.0	191	168
100.1–511.0	223	69
Total	906	906

A barometer for degree of competition is the number of mills procuring wood in a county (figs. 5 and 6). In 304, or 34 percent, of the producing counties, at least 1 to 3 mills were actively procuring both softwood and hardwood

Softwood Roundwood Production, 1998

Albers projection
0 miles 200

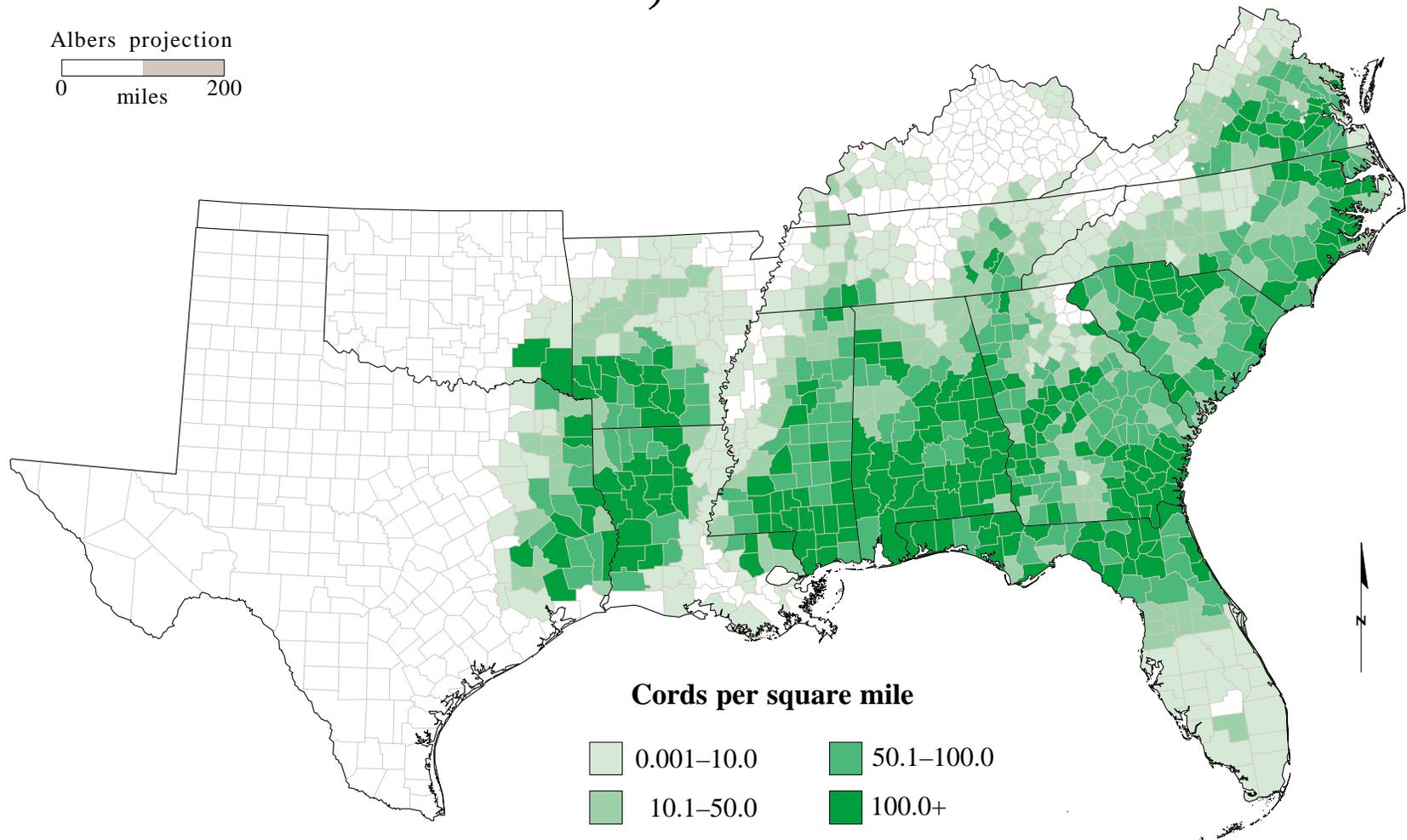


Figure 3—Softwood roundwood production in the South by county or parish, 1998.

Hardwood Roundwood Production, 1998

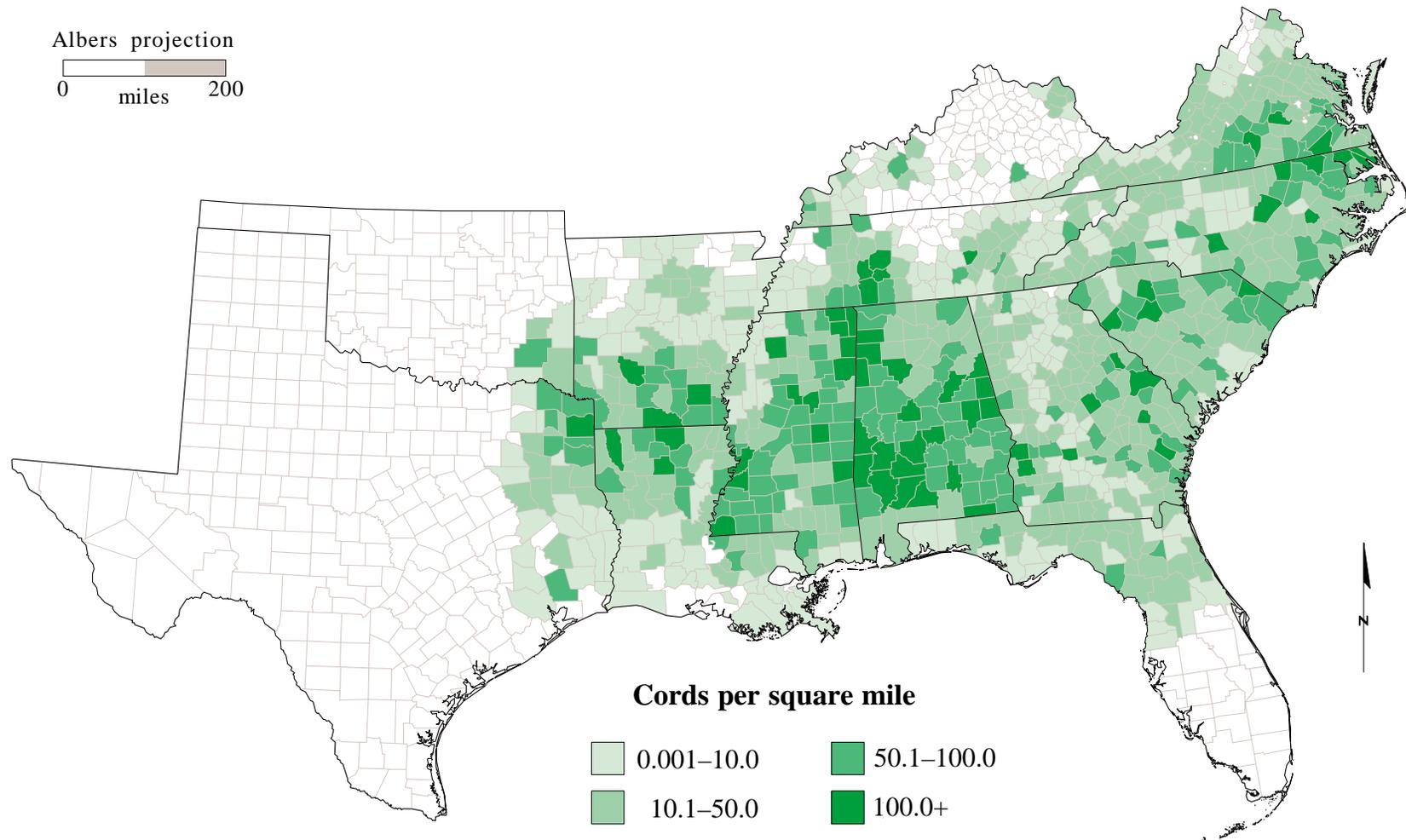


Figure 4—Hardwood roundwood production in the South by county or parish, 1998.

Softwood Mill Competition, 1998

Albers projection
0 miles 200

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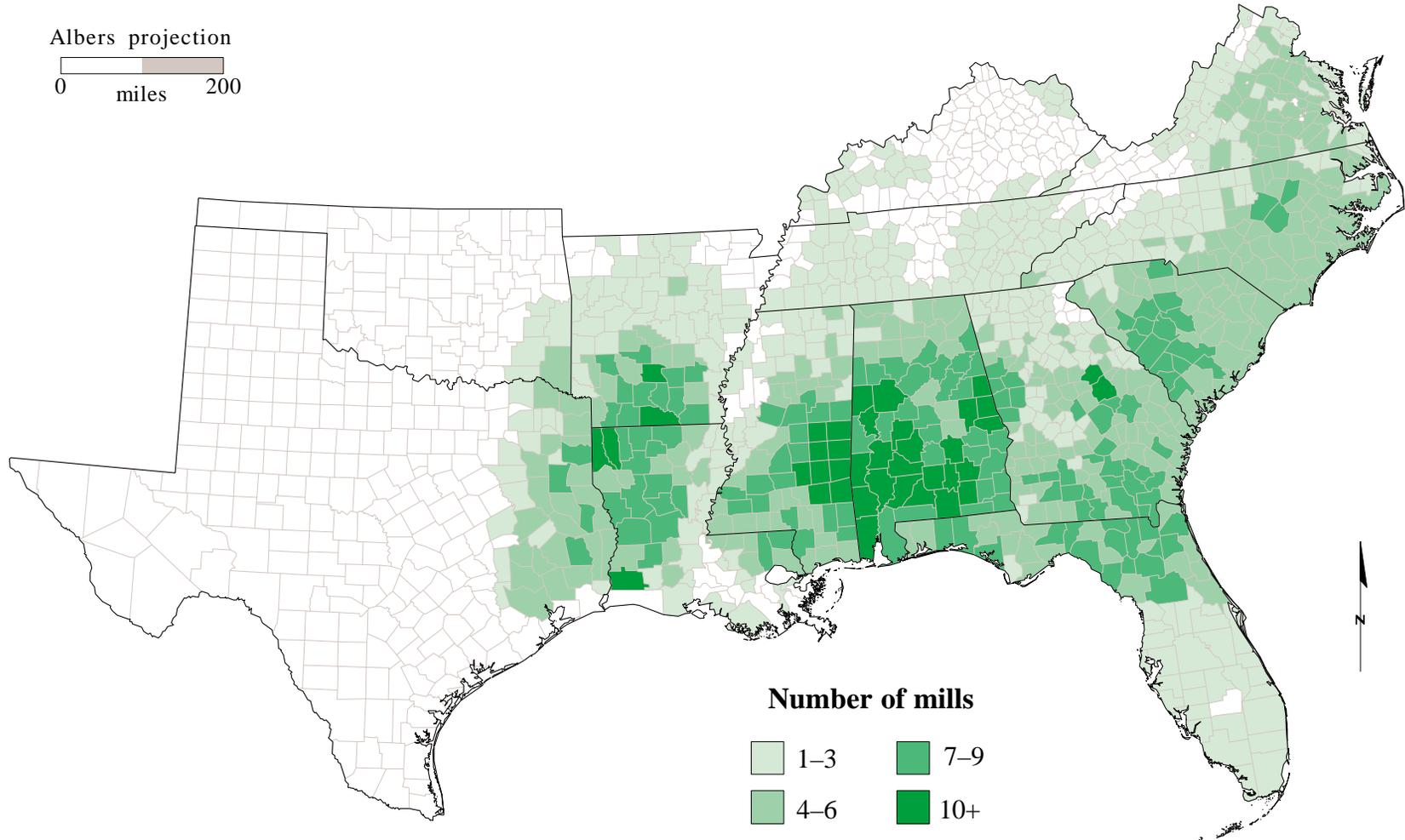


Figure 5—Number of mills competing for softwood roundwood by county or parish, 1998.

Hardwood Mill Competition, 1998

Albers projection
0 miles 200

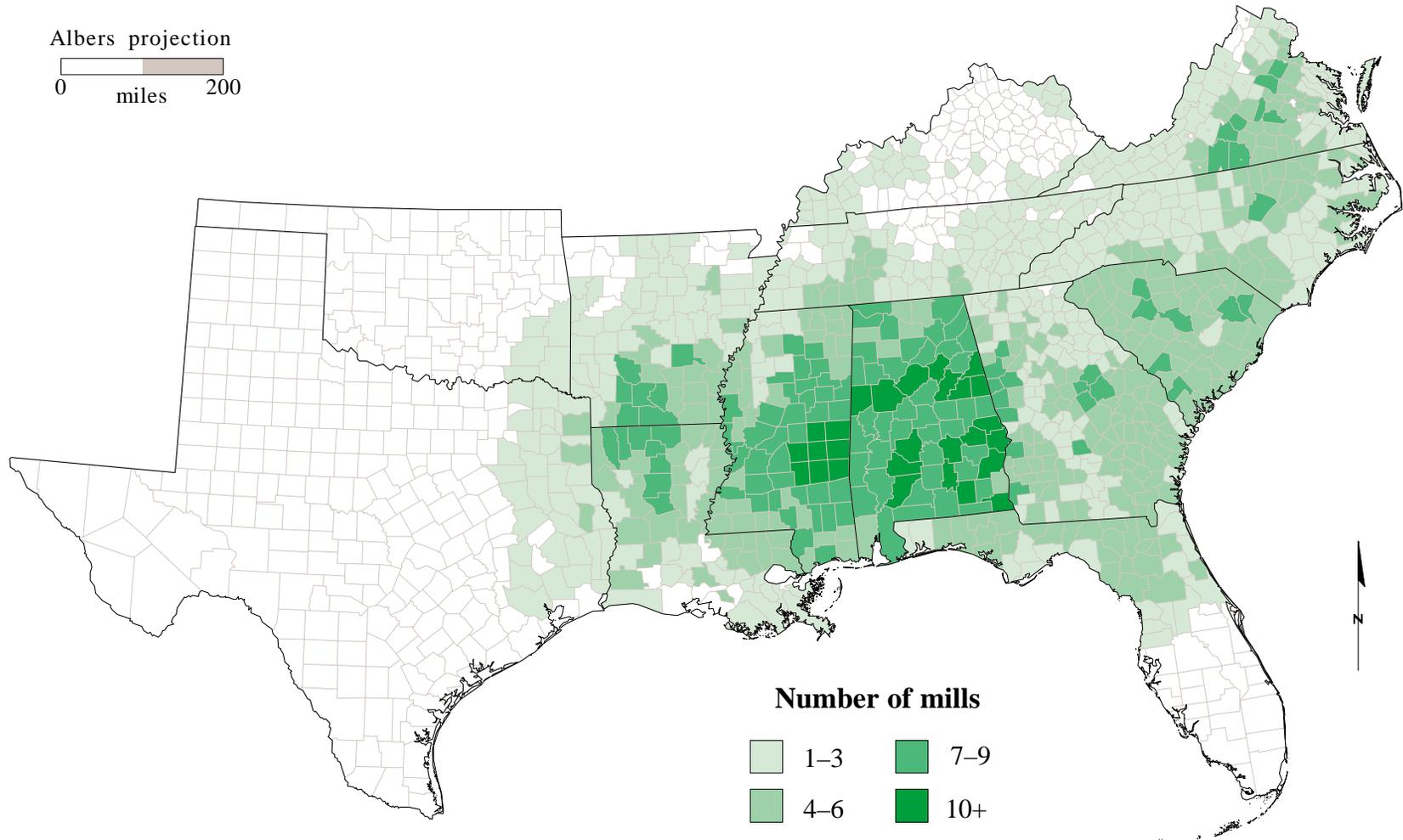


Figure 6—Number of mills competing for hardwood roundwood by county or parish, 1998.

roundwood (table II). In 274 counties, 4 to 6 mills were actively procuring wood and in the remaining 328 counties, or 36 percent of the producing counties, 7 or more mills were active.

Table II—Number of producing counties in the South, by the number of pulp mills procuring softwood and hardwood roundwood, 1998

Number of mills	Number of counties		
	Total	Softwood	Hardwood
0	0	72	44
1-3	304	369	422
4-6	274	287	291
7-9	211	139	122
10+	117	39	27
Total	906	906	906

Roundwood Movement

Tables 20 and 21 show the softwood and hardwood roundwood movement for the Southeast and South Central regions. The numbers inside the frames represent the roundwood that was harvested and retained for processing within each State. The numbers in rows to the left or right of the retained figures represent wood exported to the other States. Therefore, the retained figure added to the wood exported out of State totals the roundwood production for the State. The numbers in columns either above or below

the retained figures represent wood that was imported from other States. The retained figure plus the wood imported from other States represents roundwood receipts or the amount of roundwood consumed by the mills in that State.

The Southeast was a net importer of both softwood and hardwood roundwood, with imports exceeding exports by 539,365 cords (tables 20 and 21). For softwood and hardwood combined, the South Central region was a net exporter of roundwood, with exports exceeding imports by 387,780 cords.

Mills

In 1998, 103 southern pulpmills were operating and drawing wood from the 13 Southern States (fig. 7). Total southern mill pulping capacity increased slightly to 140,610 tons per day. Southern mills still account for more than two-thirds of the Nation's total pulping capacity. Daily capacity of individual mills ranged from 50 tons to more than 3,250 tons. The average mill can produce 1,365 tons of pulp daily compared to 1,206 tons in 1989. The sulfate process dominates the pulping industry, accounting for 86 percent of the southern mill capacity. Nine percent of the capacity is groundwood or other mechanical processes, 4 percent semi-chemical, and 1 percent soda and other chemical

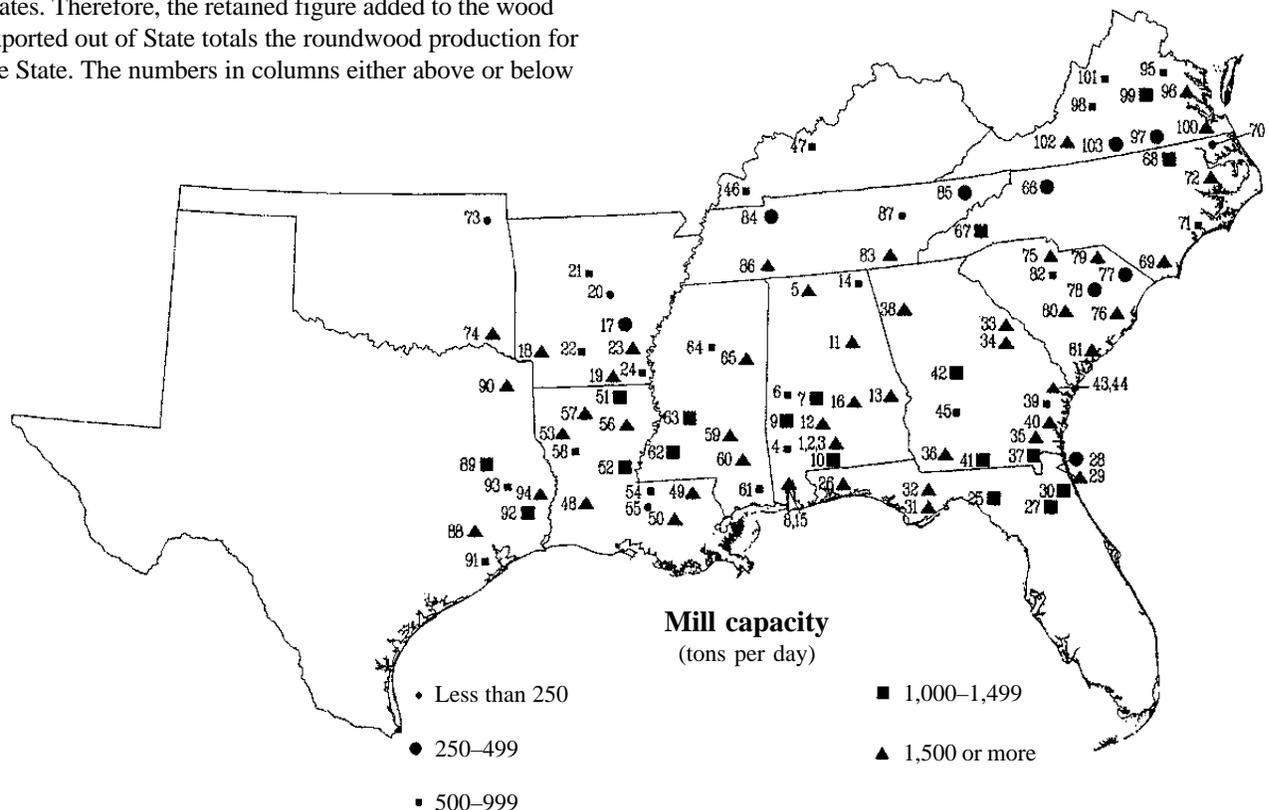


Figure 7—1998 capacity of southern pulpmills operating and drawing wood from the 13 Southern States. Numerals are coded to table 22.

processes (table 22). At the 1998 production level and pulping capacity, southern mills operated at 92 percent of capacity.

Alabama and Georgia continued to lead the South in the number of mills operating with 16 and 13 mills, respectively. Alabama led in pulping capacity with 23,628 tons per day, to Georgia's 21,950 tons per day (table III). In addition, four pulpmills outside the Southern region drew wood from the South in 1998 (table 23).

Trends

From 1989 through 1998, southern pulpwood production increased by 21 percent, from 61.5 to 74.7 million cords (fig. 8). During the same period, roundwood pulpwood production increased from 42.1 to 52.7 million cords, a 25-percent gain. Between 1989 and 1998, softwood roundwood production increased 24 percent, while hardwood roundwood production increased 27 percent. The production of wood residues increased 13 percent from 19.4 million cords in 1989 to 21.9 million cords in 1998. For the 10-year period, wood residues as a proportion of total production peaked in 1989 at 32 percent. However, wood residues continue to be an important source of fiber for the pulp and paper industry in the South, accounting for 29 percent of all pulpwood production in 1998.

Table III—Number of pulpmills and pulping capacity, by State, 1998

State	Mills	24-hour capacity Tons
Alabama	16	23,628
Arkansas	8	8,343
Florida	8	11,405
Georgia	13	21,950
Kentucky	2	1,830
Louisiana	11	17,520
Mississippi	7	9,425
North Carolina	7	8,797
Oklahoma	2	2,200
South Carolina	8	11,412
Tennessee	5	5,935
Texas	7	8,795
Virginia	9	9,370
All States	103	140,610

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Paper Industry Management Association. 1999. Papermaker's top 50: muddling through. PIMA's North American Papermaker. 81(6): 58–73.

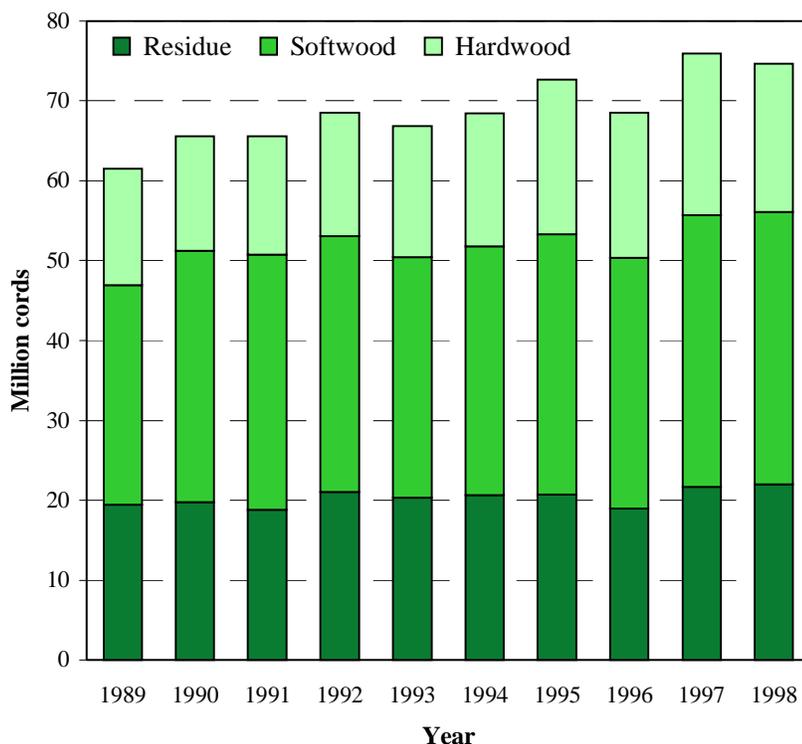


Figure 8—Southern pulpwood production, 1989–98.

Table 1—Pulpwood production in the Southeast and South Central regions, 1998

Region and source of wood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Southeast^a						
Roundwood	22,747,118	15,728,985	7,018,133	62,119,032	42,468,260	19,650,772
Residues	8,951,663	6,461,718	2,489,945	21,678,146	15,540,432	6,137,714
Total	31,698,781	22,190,703	9,508,078	83,797,178	58,008,692	25,788,486
South Central^b						
Roundwood	29,985,836	18,441,759	11,544,077	82,116,165	49,792,749	32,323,416
Residues	12,987,184	9,949,864	3,037,320	31,416,417	23,929,423	7,486,994
Total	42,973,020	28,391,623	14,581,397	113,532,582	73,722,172	39,810,410
Entire South						
Roundwood	52,732,954	34,170,744	18,562,210	144,235,197	92,261,009	51,974,188
Residues	21,938,847	16,411,582	5,527,265	53,094,563	39,469,855	13,624,708
Total	74,671,801	50,582,326	24,089,475	197,329,760	131,730,864	65,598,896

^a States of Florida, Georgia, North Carolina, South Carolina, and Virginia.

^b States of Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas.

Table 2—Pulpwood production in the South during 1998, and change since 1997

State	Change		
	<i>Percent</i>	<i>Standard cords</i>	<i>Green tons</i>
Alabama	4	13,614,839	36,360,622
Arkansas	-1	4,678,729	12,345,682
Florida	3	4,821,365	12,818,539
Georgia	-10	10,249,549	26,995,634
Kentucky	7	646,011	1,670,382
Louisiana	7	7,445,761	19,419,538
Mississippi	-4	9,040,826	23,877,668
North Carolina	-5	6,868,987	18,078,136
Oklahoma	23	1,110,860	2,918,692
South Carolina	-6	5,691,814	15,108,083
Tennessee	-3	1,851,128	5,019,588
Texas	-8	4,584,866	11,920,397
Virginia	0	4,067,066	10,796,799
All States	-2	74,671,801	197,329,760

Table 3—Pulpwood production in the South by State and species group, 1998

State	All species	Softwood	Hardwood
	<i>Standard cords</i>		
Alabama	13,614,839	8,796,244	4,818,595
Arkansas	4,678,729	3,284,161	1,394,568
Florida	4,821,365	4,340,589	480,776
Georgia	10,249,549	7,435,605	2,813,944
Kentucky	646,011	58,354	587,657
Louisiana	7,445,761	5,659,342	1,786,419
Mississippi	9,040,826	5,637,609	3,403,217
North Carolina	6,868,987	4,106,901	2,762,086
Oklahoma	1,110,860	854,407	256,453
South Carolina	5,691,814	4,039,678	1,652,136
Tennessee	1,851,128	726,375	1,124,753
Texas	4,584,866	3,375,131	1,209,735
Virginia	4,067,066	2,267,930	1,799,136
All States	74,671,801	50,582,326	24,089,475

Table 4—Roundwood production in the South by State and species group, 1998 and 1997

State	Change from 1997	1998			1997		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>Percent</i>		<i>Thousand cords</i>					
Alabama	5	10,713.3	6,528.1	4,185.2	10,155.2	6,209.3	3,945.9
Arkansas	6	3,253.0	2,002.1	1,250.9	3,068.3	1,751.7	1,316.6
Florida	2	3,985.1	3,517.1	468.0	3,911.8	3,435.3	476.5
Georgia	-12	7,109.3	5,124.7	1,984.6	8,051.7	5,724.0	2,327.7
Kentucky	16	249.4	52.1	197.3	215.2	31.7	183.5
Louisiana	5	4,592.9	3,332.9	1,260.0	4,371.9	3,078.5	1,293.4
Mississippi	-3	6,164.9	3,374.0	2,790.9	6,338.7	2,958.2	3,380.5
North Carolina	-4	4,466.8	2,597.3	1,869.5	4,642.4	2,660.0	1,982.4
Oklahoma	28	754.6	527.9	226.7	590.9	445.4	145.5
South Carolina	-5	4,281.1	2,850.9	1,430.2	4,498.7	2,915.5	1,583.2
Tennessee	-3	1,576.8	702.0	874.8	1,624.6	700.3	924.3
Texas	-31	2,681.0	1,922.7	758.3	3,867.6	2,441.6	1,426.0
Virginia	1	2,904.8	1,639.0	1,265.8	2,889.6	1,641.2	1,248.4
All States	-3	52,733.0	34,170.8	18,562.2	54,226.6	33,992.7	20,233.9

Table 5—Southern output of wood residues for pulp manufacture by State and species group, 1998 and 1997

State	Change from 1997	1998			1997		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
		<i>Percent</i>			<i>Thousand cords</i>		
Alabama	0	2,901.6	2,268.2	633.4	2,899.6	2,125.6	774.0
Arkansas	-15	1,425.7	1,282.0	143.7	1,680.8	1,297.8	383.0
Florida	12	836.3	823.5	12.8	748.0	733.4	14.6
Georgia	-6	3,140.3	2,311.0	829.3	3,338.6	2,417.8	920.8
Kentucky	3	396.6	6.2	390.4	385.9	6.4	379.5
Louisiana	10	2,852.9	2,326.5	526.4	2,593.4	2,175.1	418.3
Mississippi	-5	2,875.9	2,263.6	612.3	3,033.6	2,351.9	681.7
North Carolina	-7	2,402.2	1,509.6	892.6	2,573.5	1,481.0	1,092.5
Oklahoma	15	356.2	326.5	29.7	310.0	289.5	20.5
South Carolina	-9	1,410.7	1,188.7	222.0	1,542.9	1,090.5	452.4
Tennessee	-3	274.3	24.4	249.9	282.8	45.6	237.2
Texas	70	1,903.9	1,452.4	451.5	1,117.2	1,048.5	68.7
Virginia	0	1,162.3	629.0	533.3	1,163.5	738.7	424.8
All States	1	21,938.9	16,411.6	5,527.3	21,669.8	15,801.8	5,868.0

Table 6—Southern output of wood residues for pulp manufacture by State and type of residue, 1998

State	All types	Chips			Other residues ^a		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>Thousand cords</i>							
Alabama	2,901.6	2,901.6	2,268.2	633.4	0	0	0
Arkansas	1,425.7	1,388.7	1,245.0	143.7	37.0	37.0	0
Florida	836.3	836.3	823.5	12.8	0	0	0
Georgia	3,140.3	3,140.3	2,311.0	829.3	0	0	0
Kentucky	396.6	396.6	6.2	390.4	0	0	0
Louisiana	2,852.9	2,848.4	2,322.0	526.4	4.5	4.5	0
Mississippi	2,875.9	2,875.9	2,263.6	612.3	0	0	0
North Carolina	2,402.2	2,401.0	1,509.6	891.4	1.2	0	1.2
Oklahoma	356.2	356.2	326.5	29.7	0	0	0
South Carolina	1,410.7	1,410.7	1,188.7	222.0	0	0	0
Tennessee	274.3	274.3	24.4	249.9	0	0	0
Texas	1,903.9	1,903.9	1,452.4	451.5	0	0	0
Virginia	1,162.3	1,162.3	629.0	533.3	0	0	0
All States	21,938.9	21,896.2	16,370.1	5,526.1	42.7	41.5	1.2

^a Veneer cores, pole and piling trim, cull material, sawdust, and secondary residues.

Table 7—Roundwood pulpwood production in Alabama, 1998

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Autauga	199,770	116,073	83,697	547,749	313,397	234,352
Baldwin	308,584	237,348	71,236	840,301	640,840	199,461
Barbour	243,751	161,225	82,526	666,381	435,308	231,073
Bibb	132,520	42,428	90,092	366,814	114,556	252,258
Blount	50,293	20,604	29,689	138,760	55,631	83,129
Bullock	135,166	107,252	27,914	367,739	289,580	78,159
Butler	304,752	238,611	66,141	829,445	644,250	185,195
Calhoun	48,255	22,351	25,904	132,879	60,348	72,531
Chambers	236,429	134,616	101,813	648,539	363,463	285,076
Cherokee	63,195	34,400	28,795	173,506	92,880	80,626
Chilton	141,607	91,451	50,156	387,355	246,918	140,437
Choctaw	382,853	233,933	148,920	1,048,595	631,619	416,976
Clarke	353,225	205,572	147,653	968,472	555,044	413,428
Clay	144,241	90,227	54,014	394,852	243,613	151,239
Cleburne	140,504	74,195	66,309	385,992	200,327	185,665
Coffee	120,186	74,115	46,071	329,110	200,111	128,999
Colbert	64,761	16,719	48,042	179,659	45,141	134,518
Conecuh	325,870	239,206	86,664	888,515	645,856	242,659
Coosa	234,319	173,396	60,923	638,753	468,169	170,584
Covington	203,109	159,212	43,897	552,784	429,872	122,912
Crenshaw	189,730	126,491	63,239	518,595	341,526	177,069
Cullman	49,159	26,225	22,934	135,023	70,808	64,215
Dale	118,923	81,207	37,716	324,864	219,259	105,605
Dallas	229,969	131,000	98,969	630,813	353,700	277,113
De Kalb	57,460	23,623	33,837	158,526	63,782	94,744
Elmore	102,013	51,744	50,269	280,462	139,709	140,753
Escambia	259,642	220,632	39,010	704,934	595,706	109,228
Etowah	72,005	26,332	45,673	198,980	71,096	127,884
Fayette	83,878	40,666	43,212	230,792	109,798	120,994
Franklin	171,736	84,459	87,277	472,415	228,039	244,376
Geneva	137,754	76,897	60,857	378,022	207,622	170,400
Greene	90,195	29,072	61,123	249,638	78,494	171,144
Hale	94,535	50,897	43,638	259,608	137,422	122,186
Henry	87,697	57,164	30,533	239,835	154,343	85,492
Houston	60,473	25,811	34,662	166,744	69,690	97,054
Jackson	108,755	40,952	67,803	300,418	110,570	189,848
Jefferson	91,369	58,891	32,478	249,944	159,006	90,938
Lamar	93,381	32,266	61,115	258,240	87,118	171,122
Lauderdale	55,973	14,670	41,303	155,257	39,609	115,648
Lawrence	47,462	17,568	29,894	131,137	47,434	83,703
Lee	140,584	85,259	55,325	385,109	230,199	154,910
Limestone	21,541	4,511	17,030	59,864	12,180	47,684
Lowndes	117,496	62,129	55,367	322,776	167,748	155,028
Macon	103,530	63,418	40,112	283,543	171,229	112,314
Madison	15,301	4,688	10,613	42,374	12,658	29,716
Marengo	235,117	136,328	98,789	644,695	368,086	276,609
Marion	171,775	91,006	80,769	471,869	245,716	226,153
Marshall	31,118	2,610	28,508	86,869	7,047	79,822
Mobile	168,379	110,342	58,037	460,427	297,923	162,504
Monroe	376,515	266,923	109,592	1,027,550	720,692	306,858
Montgomery	96,246	50,328	45,918	264,456	135,886	128,570
Morgan	36,554	13,653	22,901	100,986	36,863	64,123
Perry	106,403	66,079	40,324	291,320	178,413	112,907
Pickens	91,373	18,710	72,663	253,973	50,517	203,456
Pike	136,100	98,118	37,982	371,269	264,919	106,350
Randolph	282,737	213,566	69,171	770,307	576,628	193,679
Russell	133,323	92,660	40,663	364,038	250,182	113,856
St. Clair	117,828	63,289	54,539	323,589	170,880	152,709
Shelby	175,097	126,300	48,797	477,642	341,010	136,632
Sumter	397,540	304,048	93,492	1,082,708	820,930	261,778
Talladega	358,692	200,847	157,845	984,253	542,287	441,966
Tallapoosa	250,821	151,486	99,335	687,150	409,012	278,138
Tuscaloosa	123,091	36,862	86,229	340,968	99,527	241,441
Walker	337,320	122,625	214,695	932,234	331,088	601,146
Washington	252,405	171,432	80,973	689,590	462,866	226,724
Wilcox	255,050	162,485	92,565	697,892	438,710	259,182
Winston	145,826	118,854	26,972	396,428	320,906	75,522
All counties	10,713,261	6,528,057	4,185,204	29,344,326	17,625,756	11,718,570

^a Counties with no pulpwood production are omitted.

Table 8—Roundwood pulpwood production in Arkansas, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Arkansas	17,711	531	17,180	49,538	1,434	48,104
Ashley	121,496	68,510	52,986	333,338	184,977	148,361
Baxter	103	91	12	280	246	34
Boone	109	0	109	305	0	305
Bradley	133,895	79,692	54,203	366,936	215,168	151,768
Calhoun	101,200	77,311	23,889	275,629	208,740	66,889
Carroll	31	31	0	84	84	0
Chicot	37,121	2,368	34,753	103,702	6,394	97,308
Clark	222,816	102,730	120,086	613,612	277,371	336,241
Cleburne	22,601	13,441	9,160	61,939	36,291	25,648
Cleveland	95,379	55,401	39,978	261,521	149,583	111,938
Columbia	100,694	63,906	36,788	275,552	172,546	103,006
Conway	22,729	21,967	762	61,445	59,311	2,134
Crawford	219	122	97	601	329	272
Crittenden	683	0	683	1,912	0	1,912
Cross	478	370	108	1,301	999	302
Dallas	196,639	154,783	41,856	535,111	417,914	117,197
Desha	30,107	26	30,081	84,297	70	84,227
Drew	196,179	69,425	126,754	542,359	187,448	354,911
Faulkner	5,744	4,594	1,150	15,624	12,404	3,220
Franklin	2,064	2,021	43	5,577	5,457	120
Fulton	46	17	29	127	46	81
Garland	9,935	7,562	2,373	27,061	20,417	6,644
Grant	167,698	128,778	38,920	456,677	347,701	108,976
Greene	377	0	377	1,056	0	1,056
Hempstead	103,203	77,498	25,705	281,219	209,245	71,974
Hot Spring	69,069	55,288	13,781	187,865	149,278	38,587
Howard	97,532	94,181	3,351	263,672	254,289	9,383
Independence	30,399	9,258	21,141	84,192	24,997	59,195
Izard	30	19	11	82	51	31
Jackson	791	10	781	2,214	27	2,187
Jefferson	86,285	44,427	41,858	237,155	119,953	117,202
Johnson	4,615	4,615	0	12,461	12,461	0
Lafayette	54,446	37,366	17,080	148,712	100,888	47,824
Lee	5,093	43	5,050	14,256	116	14,140
Lincoln	64,631	51,904	12,727	175,777	140,141	35,636
Little River	211,624	157,789	53,835	576,768	426,030	150,738
Logan	9,244	9,244	0	24,959	24,959	0
Lonoke	2,569	317	2,252	7,162	856	6,306
Marion	6,044	22	6,022	16,921	59	16,862
Miller	65,770	29,643	36,127	181,192	80,036	101,156
Mississippi	8	0	8	22	0	22
Monroe	1,714	10	1,704	4,798	27	4,771
Montgomery	1,954	1,568	386	5,315	4,234	1,081
Nevada	77,094	60,870	16,224	209,776	164,349	45,427
Newton	10	10	0	27	27	0
Ouachita	129,701	87,287	42,414	354,434	235,675	118,759
Perry	6,373	5,371	1,002	17,308	14,502	2,806
Phillips	6,317	0	6,317	17,688	0	17,688
Pike	72,680	65,691	6,989	196,935	177,366	19,569
Poinsett	39	0	39	109	0	109
Polk	78,046	15,171	62,875	217,012	40,962	176,050
Pope	9,953	9,809	144	26,887	26,484	403
Prairie	1,953	33	1,920	5,465	89	5,376
Pulaski	11,890	5,542	6,348	32,737	14,963	17,774
St. Francis	9,039	2,103	6,936	25,099	5,678	19,421
Saline	60,540	45,548	14,992	164,958	122,980	41,978
Scott	11,267	10,804	463	30,467	29,171	1,296
Searcy	755	376	379	2,076	1,015	1,061
Sebastian	2,086	2,076	10	5,633	5,605	28
Sevier	95,950	81,372	14,578	260,522	219,704	40,818
Stone	15,594	3,572	12,022	43,306	9,644	33,662
Union	304,539	150,071	154,468	837,702	405,192	432,510
Van Buren	26,492	14,073	12,419	72,770	37,997	34,773
White	18,662	5,664	12,998	51,687	15,293	36,394
Woodruff	976	10	966	2,732	27	2,705
Yell	11,949	9,781	2,168	32,479	26,409	6,070
All counties	3,252,980	2,002,113	1,250,867	8,908,135	5,405,709	3,502,426

^a Counties with no pulpwood production are omitted.

Table 9—Roundwood pulpwood production in Florida, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Alachua	153,662	141,222	12,440	416,131	381,299	34,832
Baker	75,459	72,742	2,717	204,011	196,403	7,608
Bay	123,658	122,522	1,136	333,990	330,809	3,181
Bradford	86,277	70,099	16,178	234,565	189,267	45,298
Brevard	9,828	9,828	0	26,536	26,536	0
Broward	26	26	0	70	70	0
Calhoun	108,734	96,294	12,440	294,826	259,994	34,832
Charlotte	7	7	0	19	19	0
Citrus	27,621	21,773	5,848	75,161	58,787	16,374
Clay	55,833	49,725	6,108	151,360	134,258	17,102
Collier	14	14	0	38	38	0
Columbia	183,205	168,429	14,776	496,131	454,758	41,373
Dade	49	49	0	132	132	0
De Soto	50	50	0	135	135	0
Dixie	138,544	101,758	36,786	377,748	274,747	103,001
Duval	69,960	66,467	3,493	189,241	179,461	9,780
Escambia	82,076	75,424	6,652	222,271	203,645	18,626
Flagler	115,159	103,308	11,851	312,115	278,932	33,183
Franklin	116,735	116,719	16	315,186	315,141	45
Gadsden	85,317	75,143	10,174	231,373	202,886	28,487
Gilchrist	56,016	50,844	5,172	151,761	137,279	14,482
Gulf	23,117	21,974	1,143	62,530	59,330	3,200
Hamilton	63,195	46,372	16,823	172,308	125,204	47,104
Hardee	4,030	4,030	0	10,881	10,881	0
Hendry	25,621	25,621	0	69,177	69,177	0
Hernando	24,133	20,724	3,409	65,500	55,955	9,545
Highlands	441	441	0	1,191	1,191	0
Hillsborough	6,189	6,189	0	16,710	16,710	0
Holmes	72,765	54,323	18,442	198,310	146,672	51,638
Indian River	2,610	2,610	0	7,047	7,047	0
Jackson	144,851	123,208	21,643	393,262	332,662	60,600
Jefferson	60,204	44,536	15,668	164,117	120,247	43,870
Lafayette	55,519	54,349	1,170	150,018	146,742	3,276
Lake	16,441	14,752	1,689	44,559	39,830	4,729
Lee	309	309	0	834	834	0
Leon	47,771	37,101	10,670	130,049	100,173	29,876
Levy	131,910	88,770	43,140	360,471	239,679	120,792
Liberty	54,651	49,249	5,402	148,098	132,972	15,126
Madison	106,677	91,523	15,154	289,543	247,112	42,431
Manatee	689	689	0	1,860	1,860	0
Marion	146,375	126,561	19,814	397,194	341,715	55,479
Martin	4,461	4,461	0	12,045	12,045	0
Monroe	56	56	0	151	151	0
Nassau	165,109	152,867	12,242	447,019	412,741	34,278
Okaloosa	105,163	97,738	7,425	284,683	263,893	20,790
Okeechobee	4,551	4,551	0	12,288	12,288	0
Orange	10,447	10,447	0	28,207	28,207	0
Osceola	14,874	14,874	0	40,160	40,160	0
Palm Beach	21	21	0	57	57	0
Pasco	16,724	14,536	2,188	45,373	39,247	6,126
Pinellas	21	21	0	57	57	0
Polk	6,201	6,201	0	16,743	16,743	0
Putnam	93,263	81,251	12,012	253,012	219,378	33,634
St. Johns	113,600	100,885	12,715	307,992	272,390	35,602
St. Lucie	2,521	2,521	0	6,807	6,807	0
Santa Rosa	133,844	127,060	6,784	362,057	343,062	18,995
Sarasota	2,980	2,980	0	8,046	8,046	0
Seminole	20,430	20,430	0	55,161	55,161	0
Sumter	32,341	26,493	5,848	87,905	71,531	16,374
Suwannee	162,343	152,353	9,990	439,325	411,353	27,972
Taylor	224,308	207,366	16,942	607,326	559,888	47,438
Union	76,225	69,128	7,097	206,518	186,646	19,872
Volusia	90,210	82,230	7,980	244,365	222,021	22,344
Wakulla	17,274	16,774	500	46,690	45,290	1,400
Walton	78,129	66,807	11,322	212,081	180,379	31,702
Washington	134,230	99,272	34,958	365,916	268,034	97,882
All counties	3,985,054	3,517,097	467,957	10,806,443	9,496,164	1,310,279

^a Counties with no pulpwood production are omitted.

Table 10—Roundwood pulpwood production in Georgia, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Appling	101,849	84,164	17,685	276,761	227,243	49,518
Atkinson	43,574	43,179	395	117,689	116,583	1,106
Bacon	57,263	38,933	18,330	156,443	105,119	51,324
Baker	31,064	23,856	7,208	84,593	64,411	20,182
Baldwin	44,332	33,699	10,633	120,759	90,987	29,772
Banks	3,460	0	3,460	9,688	0	9,688
Barrow	5,382	792	4,590	14,990	2,138	12,852
Bartow	39,551	32,852	6,699	107,457	88,700	18,757
Ben Hill	38,080	20,090	17,990	104,615	54,243	50,372
Berrien	26,599	22,261	4,338	72,251	60,105	12,146
Bibb	27,542	21,889	5,653	74,928	59,100	15,828
Bleckley	9,312	7,789	1,523	25,294	21,030	4,264
Brantley	126,062	112,086	13,976	341,765	302,632	39,133
Brooks	21,596	14,529	7,067	59,016	39,228	19,788
Bryan	41,225	28,830	12,395	112,547	77,841	34,706
Bulloch	43,182	18,980	24,202	119,012	51,246	67,766
Burke	182,620	60,873	121,747	505,249	164,357	340,892
Butts	17,597	13,953	3,644	47,876	37,673	10,203
Calhoun	27,244	23,259	3,985	73,957	62,799	11,158
Camden	153,603	124,347	29,256	417,654	335,737	81,917
Candler	59,937	22,336	37,601	165,590	60,307	105,283
Carroll	49,177	33,362	15,815	134,359	90,077	44,282
Catoosa	13,920	12,635	1,285	37,713	34,115	3,598
Charlton	162,304	153,476	8,828	439,103	414,385	24,718
Chatham	31,829	20,012	11,817	87,120	54,032	33,088
Chattahoochee	12,388	8,322	4,066	33,854	22,469	11,385
Chattooga	11,391	7,824	3,567	31,113	21,125	9,988
Cherokee	33,954	24,145	9,809	92,657	65,192	27,465
Clarke	5,698	305	5,393	15,924	824	15,100
Clay	24,466	13,879	10,587	67,117	37,473	29,644
Clayton	1,390	1,368	22	3,756	3,694	62
Clinch	200,480	185,046	15,434	542,839	499,624	43,215
Cobb	6,342	4,160	2,182	17,342	11,232	6,110
Coffee	57,421	41,890	15,531	156,590	113,103	43,487
Colquitt	34,496	25,520	8,976	94,037	68,904	25,133
Columbia	21,063	14,942	6,121	57,482	40,343	17,139
Cook	10,277	7,335	2,942	28,043	19,805	8,238
Coweta	65,230	51,231	13,999	177,521	138,324	39,197
Crawford	119,669	88,980	30,689	326,175	240,246	85,929
Crisp	38,779	7,558	31,221	107,826	20,407	87,419
Dade	2,957	2,313	644	8,048	6,245	1,803
Dawson	21,653	16,771	4,882	58,952	45,282	13,670
Decatur	77,036	57,331	19,705	209,968	154,794	55,174
De Kalb	837	101	736	2,334	273	2,061
Dodge	74,947	34,742	40,205	206,377	93,803	112,574
Dooly	16,042	14,167	1,875	43,501	38,251	5,250
Dougherty	37,125	29,510	7,615	100,999	79,677	21,322
Douglas	6,774	4,975	1,799	18,470	13,433	5,037
Early	98,128	63,549	34,579	268,403	171,582	96,821
Echols	115,317	114,698	619	311,418	309,685	1,733
Effingham	52,737	35,302	17,435	144,133	95,315	48,818
Elbert	121,509	111,682	9,827	329,057	301,541	27,516
Emanuel	67,419	48,804	18,615	183,893	131,771	52,122
Evans	23,173	10,288	12,885	63,856	27,778	36,078

Table 10—Roundwood pulpwood production in Georgia, 1998 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Fannin	7,958	6,954	1,004	21,587	18,776	2,811
Fayette	9,138	8,569	569	24,729	23,136	1,593
Floyd	66,424	47,964	18,460	181,191	129,503	51,688
Forsyth	2,897	1,193	1,704	7,992	3,221	4,771
Franklin	4,998	0	4,998	13,994	0	13,994
Fulton	13,405	9,911	3,494	36,543	26,760	9,783
Gilmer	12,442	10,296	2,146	33,808	27,799	6,009
Glascocock	13,857	7,112	6,745	38,088	19,202	18,886
Glynn	190,697	161,815	28,882	517,771	436,901	80,870
Gordon	31,647	28,530	3,117	85,759	77,031	8,728
Grady	78,928	66,130	12,798	214,385	178,551	35,834
Greene	10,258	3,381	6,877	28,385	9,129	19,256
Gwinnett	12,357	11,350	1,007	33,465	30,645	2,820
Habersham	3,273	0	3,273	9,164	0	9,164
Hall	13,198	10,395	2,803	35,915	28,067	7,848
Hancock	80,359	58,040	22,319	219,201	156,708	62,493
Haralson	53,449	39,831	13,618	145,674	107,544	38,130
Harris	52,415	40,217	12,198	142,740	108,586	34,154
Hart	2,247	0	2,247	6,292	0	6,292
Heard	53,514	45,222	8,292	145,317	122,099	23,218
Henry	22,044	16,948	5,096	60,029	45,760	14,269
Houston	59,429	58,084	1,345	160,593	156,827	3,766
Irwin	12,890	11,856	1,034	34,906	32,011	2,895
Jackson	5,477	2,328	3,149	15,103	6,286	8,817
Jasper	25,421	15,277	10,144	69,651	41,248	28,403
Jeff Davis	92,258	59,196	33,062	252,403	159,829	92,574
Jefferson	63,120	39,874	23,246	172,749	107,660	65,089
Jenkins	39,970	21,451	18,519	109,771	57,918	51,853
Johnson	41,982	27,508	14,474	114,799	74,272	40,527
Jones	55,126	43,735	11,391	149,980	118,085	31,895
Lamar	50,580	50,405	175	136,584	136,094	490
Lanier	11,584	10,646	938	31,370	28,744	2,626
Laurens	78,464	51,180	27,284	214,581	138,186	76,395
Lee	12,371	10,753	1,618	33,563	29,033	4,530
Liberty	144,004	96,310	47,694	393,580	260,037	133,543
Lincoln	14,367	5,317	9,050	39,696	14,356	25,340
Long	106,209	63,702	42,507	291,015	171,995	119,020
Lowndes	30,230	20,495	9,735	82,595	55,337	27,258
Lumpkin	11,727	9,596	2,131	31,876	25,909	5,967
Macon	36,634	30,021	6,613	99,573	81,057	18,516
Madison	19,082	6,334	12,748	52,796	17,102	35,694
Marion	68,449	57,047	11,402	185,953	154,027	31,926
McDuffie	86,801	15,159	71,642	241,527	40,929	200,598
McIntosh	80,872	62,508	18,364	220,191	168,772	51,419
Meriwether	55,484	44,027	11,457	150,953	118,873	32,080
Miller	6,470	4,634	1,836	17,653	12,512	5,141
Mitchell	58,157	27,367	30,790	160,103	73,891	86,212
Monroe	54,257	46,335	7,922	147,287	125,105	22,182
Montgomery	32,709	21,973	10,736	89,388	59,327	30,061
Morgan	9,911	4,994	4,917	27,252	13,484	13,768
Murray	70,883	37,062	33,821	194,766	100,067	94,699
Muscogee	6,380	4,410	1,970	17,423	11,907	5,516
Newton	17,229	16,866	363	46,554	45,538	1,016

Table 10—Roundwood pulpwood production in Georgia, 1998 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Oconee	7,684	3,186	4,498	21,196	8,602	12,594
Oglethorpe	18,533	3,574	14,959	51,535	9,650	41,885
Paulding	39,443	32,276	7,167	107,213	87,145	20,068
Peach	3,376	2,976	400	9,155	8,035	1,120
Pickens	13,949	10,601	3,348	37,997	28,623	9,374
Pierce	64,121	48,876	15,245	174,651	131,965	42,686
Pike	9,172	7,895	1,277	24,893	21,317	3,576
Polk	26,201	21,818	4,383	71,181	58,909	12,272
Pulaski	9,925	9,745	180	26,816	26,312	504
Putnam	55,906	42,224	13,682	152,315	114,005	38,310
Quitman	46,921	39,007	7,914	127,478	105,319	22,159
Rabun	503	0	503	1,408	0	1,408
Randolph	108,843	56,529	52,314	299,107	152,628	146,479
Richmond	31,683	12,468	19,215	87,466	33,664	53,802
Rockdale	638	615	23	1,725	1,661	64
Schley	34,481	29,137	5,344	93,633	78,670	14,963
Screven	59,278	32,745	26,533	162,704	88,412	74,292
Seminole	13,096	11,676	1,420	35,501	31,525	3,976
Spalding	7,510	6,718	792	20,357	18,139	2,218
Stephens	5,396	0	5,396	15,109	0	15,109
Stewart	151,385	104,624	46,761	413,416	282,485	130,931
Sumter	69,785	38,760	31,025	191,522	104,652	86,870
Talbot	74,303	57,205	17,098	202,328	154,454	47,874
Taliaferro	15,552	8,264	7,288	42,719	22,313	20,406
Tattnall	42,351	27,751	14,600	115,808	74,928	40,880
Taylor	51,420	48,955	2,465	139,081	132,179	6,902
Telfair	61,600	52,066	9,534	167,273	140,578	26,695
Terrell	55,579	39,928	15,651	151,629	107,806	43,823
Thomas	41,599	31,637	9,962	113,314	85,420	27,894
Tift	4,618	2,240	2,378	12,706	6,048	6,658
Toombs	31,674	23,002	8,672	86,387	62,105	24,282
Towns	9	9	0	24	24	0
Treutlen	22,165	17,413	4,752	60,321	47,015	13,306
Troup	57,908	32,614	25,294	158,881	88,058	70,823
Turner	12,252	10,400	1,852	33,266	28,080	5,186
Twiggs	55,375	39,244	16,131	151,126	105,959	45,167
Union	1,592	293	1,299	4,428	791	3,637
Upson	39,160	37,517	1,643	105,896	101,296	4,600
Walker	18,548	11,479	7,069	50,786	30,993	19,793
Walton	2,158	956	1,202	5,947	2,581	3,366
Ware	153,521	149,343	4,178	414,924	403,226	11,698
Warren	39,865	21,154	18,711	109,507	57,116	52,391
Washington	88,220	43,021	45,199	242,714	116,157	126,557
Wayne	197,912	166,005	31,907	537,554	448,214	89,340
Webster	56,340	45,662	10,678	153,185	123,287	29,898
Wheeler	30,858	18,123	12,735	84,590	48,932	35,658
White	327	10	317	915	27	888
Whitfield	25,854	18,763	7,091	70,515	50,660	19,855
Wilcox	52,239	45,102	7,137	141,759	121,775	19,984
Wilkes	41,318	20,421	20,897	113,649	55,137	58,512
Wilkinson	86,614	39,782	46,832	238,541	107,411	131,130
Worth	59,494	55,599	3,895	161,023	150,117	10,906
All counties	7,109,288	5,124,636	1,984,652	19,393,551	13,836,524	5,557,027

^a Counties with no pulpwood production are omitted.

Table 11—Roundwood pulpwood production in Kentucky, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Ballard	12,823	938	11,885	35,811	2,533	33,278
Bell	310	0	310	868	0	868
Boyd	2,723	60	2,663	7,618	162	7,456
Breckinridge	7,527	0	7,527	21,076	0	21,076
Butler	14,408	13	14,395	40,341	35	40,306
Caldwell	10,277	7,411	2,866	28,035	20,010	8,025
Calloway	6,451	4,403	2,048	17,622	11,888	5,734
Carlisle	16,802	190	16,612	47,027	513	46,514
Carter	8,523	890	7,633	23,775	2,403	21,372
Casey	168	0	168	470	0	470
Crittenden	9,425	3,182	6,243	26,071	8,591	17,480
Daviess	921	244	677	2,555	659	1,896
Edmonson	3,186	343	2,843	8,886	926	7,960
Elliott	6,438	697	5,741	17,957	1,882	16,075
Fulton	4,541	0	4,541	12,715	0	12,715
Graves	17,071	10,092	6,979	46,789	27,248	19,541
Grayson	6,209	1,673	4,536	17,218	4,517	12,701
Green	69	0	69	193	0	193
Greenup	11,225	427	10,798	31,387	1,153	30,234
Harlan	1,775	653	1,122	4,905	1,763	3,142
Hickman	5,142	0	5,142	14,398	0	14,398
Hopkins	5,420	2,412	3,008	14,934	6,512	8,422
Knox	2,288	2,032	256	6,203	5,486	717
Laurel	25,508	0	25,508	71,422	0	71,422
Lawrence	3,521	756	2,765	9,783	2,041	7,742
Letcher	743	0	743	2,080	0	2,080
Lewis	2,468	29	2,439	6,907	78	6,829
Livingston	7,198	6,010	1,188	19,553	16,227	3,326
Lyon	1,894	178	1,716	5,286	481	4,805
Marshall	2,326	0	2,326	6,513	0	6,513
McCracken	1,959	10	1,949	5,484	27	5,457
McCreary	2,528	2,528	0	6,826	6,826	0
McLean	24	0	24	67	0	67
Muhlenberg	1,642	951	691	4,503	2,568	1,935
Ohio	38,438	1,416	37,022	107,485	3,823	103,662
Trigg	2,244	0	2,244	6,283	0	6,283
Union	195	10	185	545	27	518
Whitley	5,010	4,596	414	13,568	12,409	1,159
All counties	249,420	52,144	197,276	693,159	140,788	552,371

^a Counties with no pulpwood production are omitted.

Table 12—Roundwood pulpwood production in Louisiana, 1998

Parish ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Acadia	2,023	1,905	118	5,474	5,144	330
Allen	134,076	114,243	19,833	363,988	308,456	55,532
Ascension	2,732	49	2,683	7,644	132	7,512
Avoyelles	36,441	8,470	27,971	101,188	22,869	78,319
Beauregard	185,700	185,656	44	501,394	501,271	123
Bienville	176,777	137,422	39,355	481,233	371,039	110,194
Bossier	194,954	77,171	117,783	538,154	208,362	329,792
Caddo	71,147	33,017	38,130	195,910	89,146	106,764
Calcasieu	79,508	77,495	2,013	214,873	209,237	5,636
Caldwell	153,232	121,455	31,777	416,905	327,929	88,976
Cameron	71	0	71	199	0	199
Catahoula	44,656	37,645	7,011	121,273	101,642	19,631
Claiborne	94,184	53,312	40,872	258,384	143,942	114,442
Concordia	21,867	10	21,857	61,227	27	61,200
De Soto	227,333	173,823	53,510	619,150	469,322	149,828
East Baton Rouge	33,337	3,709	29,628	92,972	10,014	82,958
East Carroll	7,498	193	7,305	20,975	521	20,454
East Feliciana	46,888	25,458	21,430	128,741	68,737	60,004
Evangeline	48,767	43,097	5,670	132,238	116,362	15,876
Franklin	9,236	3,132	6,104	25,547	8,456	17,091
Grant	98,873	78,981	19,892	268,947	213,249	55,698
Iberville	29,190	0	29,190	81,732	0	81,732
Jackson	213,656	122,068	91,588	586,030	329,584	256,446
Jefferson	1,266	994	272	3,446	2,684	762
Jefferson Davis	4,101	4,101	0	11,073	11,073	0
Lafayette	239	87	152	661	235	426
Lafourche	51	0	51	143	0	143
La Salle	220,819	183,781	37,038	599,915	496,209	103,706
Lincoln	75,934	40,680	35,254	208,547	109,836	98,711
Livingston	109,757	81,879	27,878	299,131	221,073	78,058
Madison	10,906	78	10,828	30,529	211	30,318
Morehouse	77,213	38,189	39,024	212,377	103,110	109,267
Natchitoches	156,460	131,571	24,889	424,931	355,242	69,689
Orleans	21	21	0	57	57	0
Ouachita	109,592	68,703	40,889	299,987	185,498	114,489
Plaquemines	185	0	185	518	0	518
Rapides	138,634	126,088	12,546	375,567	340,438	35,129
Red River	83,279	64,159	19,120	226,765	173,229	53,536
Richland	12,853	1,215	11,638	35,867	3,281	32,586
Sabine	292,001	277,077	14,924	789,895	748,108	41,787
St. Bernard	44	0	44	123	0	123
St. Charles	11	0	11	31	0	31
St. Helena	75,351	56,210	19,141	205,362	151,767	53,595
St. James	328	5	323	918	14	904
St. John the Baptist	2,122	0	2,122	5,942	0	5,942
St. Landry	639	601	38	1,729	1,623	106
St. Martin	1,405	0	1,405	3,934	0	3,934
St. Mary	8	8	0	22	22	0
St. Tammany	36,553	30,608	5,945	99,288	82,642	16,646
Tangipahoa	58,146	34,339	23,807	159,375	92,715	66,660
Tensas	42,427	733	41,694	118,722	1,979	116,743
Terrebonne	18	3	15	50	8	42
Union	355,648	223,041	132,607	973,511	602,211	371,300
Vermilion	24	24	0	65	65	0
Vernon	326,433	319,394	7,039	882,073	862,364	19,709
Washington	126,678	102,019	24,659	344,496	275,451	69,045
Webster	66,113	38,068	28,045	181,310	102,784	78,526
West Baton Rouge	8,511	64	8,447	23,825	173	23,652
West Carroll	7,171	2,018	5,153	19,877	5,449	14,428
West Feliciana	36,988	12,598	24,390	102,307	34,015	68,292
Winn	242,795	196,204	46,591	660,206	529,751	130,455
All parishes	4,592,870	3,332,871	1,259,999	12,526,753	8,998,758	3,527,995

^a Parishes with no pulpwood production are omitted.

Table 13—Roundwood pulpwood production in Mississippi, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Adams	41,106	2,821	38,285	114,815	7,617	107,198
Alcorn	229,002	40,954	188,048	637,110	110,576	526,534
Amite	95,072	52,948	42,124	260,907	142,960	117,947
Attala	128,748	81,794	46,954	352,315	220,844	131,471
Benton	15,089	5,902	9,187	41,659	15,935	25,724
Bolivar	10,993	30	10,963	30,777	81	30,696
Calhoun	38,612	29,812	8,800	105,132	80,492	24,640
Carroll	49,563	18,019	31,544	136,974	48,651	88,323
Chickasaw	69,395	41,421	27,974	190,164	111,837	78,327
Choctaw	128,781	77,164	51,617	352,871	208,343	144,528
Claiborne	66,988	18,167	48,821	185,750	49,051	136,699
Clarke	207,287	114,376	92,911	568,966	308,815	260,151
Clay	50,480	25,926	24,554	138,751	70,000	68,751
Coahoma	595	86	509	1,657	232	1,425
Copiah	148,065	90,801	57,264	405,502	245,163	160,339
Covington	59,752	50,325	9,427	162,274	135,878	26,396
De Soto	3,572	3,351	221	9,667	9,048	619
Forrest	83,514	71,877	11,637	226,652	194,068	32,584
Franklin	61,172	28,585	32,587	168,424	77,180	91,244
George	72,830	59,663	13,167	197,958	161,090	36,868
Greene	205,190	166,140	39,050	557,918	448,578	109,340
Grenada	51,592	9,661	41,931	143,492	26,085	117,407
Hancock	96,502	87,618	8,884	261,444	236,569	24,875
Harrison	66,302	60,894	5,408	179,556	164,414	15,142
Hinds	79,837	26,674	53,163	220,876	72,020	148,856
Holmes	105,061	35,872	69,189	290,583	96,854	193,729
Humphreys	9,069	11	9,058	25,392	30	25,362
Issaquena	32,759	242	32,517	91,701	653	91,048
Itawamba	134,979	38,731	96,248	374,068	104,574	269,494
Jackson	59,527	55,524	4,003	161,123	149,915	11,208
Jasper	68,109	41,226	26,883	186,582	111,310	75,272
Jefferson	74,715	30,422	44,293	206,159	82,139	124,020
Jefferson Davis	57,439	53,433	4,006	155,486	144,269	11,217
Jones	104,239	66,114	38,125	285,258	178,508	106,750
Kemper	110,057	51,668	58,389	302,993	139,504	163,489
Lafayette	38,027	19,952	18,075	104,480	53,870	50,610
Lamar	77,257	69,319	7,938	209,387	187,161	22,226
Lauderdale	117,352	51,034	66,318	323,482	137,792	185,690
Lawrence	99,167	72,822	26,345	270,385	196,619	73,766
Leake	95,372	50,918	44,454	261,950	137,479	124,471
Lee	33,175	11,601	21,574	91,730	31,323	60,407
Leflore	4,885	0	4,885	13,678	0	13,678
Lincoln	105,975	70,544	35,431	289,676	190,469	99,207
Lowndes	41,150	21,451	19,699	113,075	57,918	55,157
Madison	74,835	37,012	37,823	205,836	99,932	105,904
Marion	110,338	89,619	20,719	299,984	241,971	58,013
Marshall	43,877	972	42,905	122,758	2,624	120,134
Monroe	132,548	55,109	77,439	365,623	148,794	216,829
Montgomery	68,882	21,752	47,130	190,694	58,730	131,964

Table 13—Roundwood pulpwood production in Mississippi, 1998 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Neshoba	114,685	48,171	66,514	316,301	130,062	186,239
Newton	111,222	60,393	50,829	305,382	163,061	142,321
Noxubee	98,178	46,614	51,564	270,237	125,858	144,379
Oktibbeha	65,105	37,605	27,500	178,534	101,534	77,000
Panola	87,071	1,301	85,770	243,669	3,513	240,156
Pearl River	182,670	141,088	41,582	497,368	380,938	116,430
Perry	88,783	76,904	11,879	240,902	207,641	33,261
Pike	66,822	42,122	24,700	182,889	113,729	69,160
Pontotoc	48,782	19,913	28,869	134,598	53,765	80,833
Prentiss	56,822	12,968	43,854	157,805	35,014	122,791
Quitman	29	0	29	81	0	81
Rankin	123,676	91,788	31,888	337,114	247,828	89,286
Scott	90,176	42,482	47,694	248,244	114,701	133,543
Sharkey	5,365	20	5,345	15,020	54	14,966
Simpson	100,419	56,290	44,129	275,544	151,983	123,561
Smith	69,184	52,127	17,057	188,503	140,743	47,760
Stone	61,251	54,326	6,925	166,070	146,680	19,390
Sunflower	1,492	0	1,492	4,178	0	4,178
Tallahatchie	12,622	2,000	10,622	35,142	5,400	29,742
Tate	55	0	55	154	0	154
Tippah	55,974	29,688	26,286	153,759	80,158	73,601
Tishomingo	66,048	18,114	47,934	183,123	48,908	134,215
Tunica	518	0	518	1,450	0	1,450
Union	22,547	5,376	17,171	62,594	14,515	48,079
Walthall	98,998	79,832	19,166	269,211	215,546	53,665
Warren	76,251	3,070	73,181	213,196	8,289	204,907
Washington	6,336	0	6,336	17,741	0	17,741
Wayne	243,635	173,837	69,798	664,794	469,360	195,434
Webster	81,534	62,497	19,037	222,046	168,742	53,304
Wilkinson	123,347	29,177	94,170	342,454	78,778	263,676
Winston	94,634	54,601	40,033	259,515	147,423	112,092
Yalobusha	27,884	16,816	11,068	76,393	45,403	30,990
Yazoo	23,992	4,569	19,423	66,720	12,336	54,384
All counties	6,164,940	3,374,046	2,790,894	16,924,425	9,109,927	7,814,498

^a Counties with no pulpwood production are omitted.

Table 14—Roundwood pulpwood production in North Carolina, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Alamance	6,609	3,133	3,476	18,192	8,459	9,733
Alexander	4,176	3,825	351	11,311	10,328	983
Alleghany	2,771	0	2,771	7,759	0	7,759
Anson	82,868	69,647	13,221	225,066	188,047	37,019
Ashe	5,259	0	5,259	14,725	0	14,725
Avery	806	0	806	2,257	0	2,257
Beaufort	311,727	273,054	38,673	845,530	737,246	108,284
Bertie	155,859	116,110	39,749	424,794	313,497	111,297
Bladen	83,518	61,473	22,045	227,703	165,977	61,726
Brunswick	97,034	82,786	14,248	263,416	223,522	39,894
Buncombe	6,012	1,483	4,529	16,685	4,004	12,681
Burke	29,450	11,660	17,790	81,294	31,482	49,812
Cabarrus	8,113	5,459	2,654	22,170	14,739	7,431
Caldwell	16,518	3,707	12,811	45,880	10,009	35,871
Camden	33,516	5,497	28,019	93,295	14,842	78,453
Carteret	28,937	26,086	2,851	78,415	70,432	7,983
Caswell	6,947	2,134	4,813	19,238	5,762	13,476
Catawba	13,010	9,874	3,136	35,441	26,660	8,781
Chatham	9,752	6,024	3,728	26,703	16,265	10,438
Cherokee	17,532	10,469	7,063	48,042	28,266	19,776
Chowan	31,371	16,636	14,735	86,175	44,917	41,258
Clay	4,503	1,483	3,020	12,460	4,004	8,456
Cleveland	33,998	21,508	12,490	93,044	58,072	34,972
Columbus	171,099	104,302	66,797	468,647	281,615	187,032
Craven	99,826	85,548	14,278	270,958	230,980	39,978
Cumberland	58,353	45,021	13,332	158,887	121,557	37,330
Currituck	8,613	4,477	4,136	23,669	12,088	11,581
Dare	2,231	2,127	104	6,034	5,743	291
Davidson	27,742	11,946	15,796	76,483	32,254	44,229
Davie	3,483	1,912	1,571	9,561	5,162	4,399
Duplin	135,804	73,413	62,391	372,910	198,215	174,695
Durham	11,657	978	10,679	32,542	2,641	29,901
Edgecombe	44,648	20,231	24,417	122,992	54,624	68,368
Forsyth	2,739	355	2,384	7,634	959	6,675
Franklin	59,334	31,001	28,333	163,035	83,703	79,332
Gaston	11,122	7,784	3,338	30,363	21,017	9,346
Gates	80,607	40,423	40,184	221,657	109,142	112,515
Graham	6,753	2,224	4,529	18,686	6,005	12,681
Granville	33,306	6,696	26,610	92,587	18,079	74,508
Greene	113,836	7,595	106,241	317,982	20,507	297,475
Guilford	6,285	9	6,276	17,597	24	17,573
Halifax	139,765	84,851	54,914	382,857	229,098	153,759
Harnett	28,149	19,085	9,064	76,909	51,530	25,379
Haywood	11,997	4,449	7,548	33,146	12,012	21,134
Henderson	11,997	4,449	7,548	33,146	12,012	21,134
Hertford	69,849	50,733	19,116	190,504	136,979	53,525
Hoke	26,547	20,803	5,744	72,251	56,168	16,083
Hyde	42,775	28,934	13,841	116,877	78,122	38,755
Iredell	10,910	7,659	3,251	29,782	20,679	9,103
Jackson	10,458	2,910	7,548	28,991	7,857	21,134
Johnston	57,690	29,253	28,437	158,607	78,983	79,624
Jones	111,431	78,419	33,012	304,165	211,731	92,434

Table 14—Roundwood pulpwood production in North Carolina, 1998 (continued)

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Lee	27,663	19,653	8,010	75,491	53,063	22,428
Lenoir	31,947	21,757	10,190	87,276	58,744	28,532
Lincoln	28,106	12,198	15,908	77,477	32,935	44,542
McDowell	27,613	10,068	17,545	76,310	27,184	49,126
Macon	12,636	4,449	8,187	34,936	12,012	22,924
Madison	6,775	2,225	4,550	18,748	6,008	12,740
Martin	75,538	42,774	32,764	207,229	115,490	91,739
Mecklenburg	5,168	1,465	3,703	14,324	3,956	10,368
Mitchell	267	0	267	748	0	748
Montgomery	75,921	22,633	53,288	210,315	61,109	149,206
Moore	63,431	47,717	15,714	172,835	128,836	43,999
Nash	78,651	38,648	40,003	216,358	104,350	112,008
New Hanover	7,159	6,812	347	19,364	18,392	972
Northampton	114,720	47,490	67,230	316,467	128,223	188,244
Onslow	118,503	94,131	24,372	322,396	254,154	68,242
Orange	3,427	244	3,183	9,571	659	8,912
Pamlico	51,926	44,537	7,389	140,939	120,250	20,689
Pasquotank	49,239	14,601	34,638	136,409	39,423	96,986
Pender	146,210	94,987	51,223	399,889	256,465	143,424
Perquimans	25,785	15,598	10,187	70,639	42,115	28,524
Person	17,609	294	17,315	49,276	794	48,482
Pitt	57,825	34,939	22,886	158,416	94,335	64,081
Polk	32,732	19,631	13,101	89,687	53,004	36,683
Randolph	17,178	10,146	7,032	47,084	27,394	19,690
Richmond	43,234	37,601	5,633	117,295	101,523	15,772
Robeson	45,196	25,801	19,395	123,969	69,663	54,306
Rockingham	23,446	17,212	6,234	63,927	46,472	17,455
Rowan	51,945	14,398	37,547	144,007	38,875	105,132
Rutherford	87,597	35,190	52,407	241,753	95,013	146,740
Sampson	86,539	50,396	36,143	237,269	136,069	101,200
Scotland	30,631	11,244	19,387	84,643	30,359	54,284
Stanly	18,162	10,031	8,131	49,851	27,084	22,767
Stokes	4,158	298	3,860	11,613	805	10,808
Surry	8,785	0	8,785	24,598	0	24,598
Swain	6,754	2,225	4,529	18,689	6,008	12,681
Transylvania	5,926	1,397	4,529	16,453	3,772	12,681
Tyrrell	64,575	44,735	19,840	176,337	120,785	55,552
Union	10,138	7,376	2,762	27,649	19,915	7,734
Vance	10,852	6,389	4,463	29,746	17,250	12,496
Wake	138,625	43,723	94,902	383,778	118,052	265,726
Warren	220,663	87,437	133,226	609,113	236,080	373,033
Washington	61,987	54,241	7,746	168,140	146,451	21,689
Watauga	1,986	0	1,986	5,561	0	5,561
Wayne	36,846	17,966	18,880	101,372	48,508	52,864
Wilkes	16,592	2	16,590	46,457	5	46,452
Wilson	10,402	7,001	3,401	28,426	18,903	9,523
Yadkin	9,713	3,827	5,886	26,814	10,333	16,481
Yancey	6,754	2,225	4,529	18,689	6,008	12,681
All counties	4,466,827	2,597,347	1,869,480	12,247,387	7,012,844	5,234,543

^a Counties with no pulpwood production are omitted.

Table 15—Roundwood pulpwood production in Oklahoma, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Choctaw	10,651	2,766	7,885	29,546	7,468	22,078
Haskell	613	613	0	1,655	1,655	0
Latimer	13,093	1,909	11,184	36,469	5,154	31,315
Le Flore	16,802	10,922	5,880	45,953	29,489	16,464
McCurtain	430,474	339,768	90,706	1,171,351	917,374	253,977
Pushmataha	283,004	171,886	111,118	775,222	464,092	311,130
All counties	754,637	527,864	226,773	2,060,196	1,425,232	634,964

^a Counties with no pulpwood production are omitted.

Table 16—Roundwood pulpwood production in South Carolina, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Abbeville	188,728	20,985	167,743	526,340	56,660	469,680
Aiken	116,524	96,924	19,600	316,575	261,695	54,880
Allendale	78,703	65,922	12,781	213,776	177,989	35,787
Anderson	38,566	19,159	19,407	106,069	51,729	54,340
Bamberg	24,840	15,590	9,250	67,993	42,093	25,900
Barnwell	66,018	53,428	12,590	179,508	144,256	35,252
Beaufort	18,756	13,024	5,732	51,215	35,165	16,050
Berkeley	82,990	75,223	7,767	224,850	203,102	21,748
Calhoun	49,457	28,788	20,669	135,601	77,728	57,873
Charleston	77,593	70,196	7,397	210,241	189,529	20,712
Cherokee	92,034	72,631	19,403	250,432	196,104	54,328
Chester	132,322	92,127	40,195	361,289	248,743	112,546
Chesterfield	158,608	114,908	43,700	432,612	310,252	122,360
Clarendon	33,477	23,877	9,600	91,348	64,468	26,880
Colleton	103,422	83,758	19,664	281,206	226,147	55,059
Darlington	32,585	17,126	15,459	89,525	46,240	43,285
Dillon	88,391	39,666	48,725	243,528	107,098	136,430
Dorchester	117,415	66,599	50,816	322,102	179,817	142,285
Edgefield	64,453	54,029	10,424	175,065	145,878	29,187
Fairfield	188,612	144,786	43,826	513,635	390,922	122,713
Florence	120,908	58,859	62,049	332,656	158,919	173,737
Georgetown	162,054	138,810	23,244	439,870	374,787	65,083
Greenville	61,838	54,096	7,742	167,737	146,059	21,678
Greenwood	92,786	69,270	23,516	252,874	187,029	65,845
Hampton	114,439	77,770	36,669	312,652	209,979	102,673
Horry	165,906	102,557	63,349	454,281	276,904	177,377
Jasper	98,227	66,777	31,450	268,358	180,298	88,060
Kershaw	145,531	120,915	24,616	395,396	326,471	68,925
Lancaster	93,660	80,871	12,789	254,161	218,352	35,809
Laurens	85,714	46,749	38,965	235,324	126,222	109,102
Lee	22,624	15,040	7,584	61,843	40,608	21,235
Lexington	44,378	34,124	10,254	120,846	92,135	28,711
McCormick	30,360	26,236	4,124	82,384	70,837	11,547
Marion	98,270	51,703	46,567	269,986	139,598	130,388
Marlboro	65,031	38,247	26,784	178,262	103,267	74,995
Newberry	206,724	80,235	126,489	570,804	216,635	354,169
Oconee	117,380	82,910	34,470	320,373	223,857	96,516
Orangeburg	84,808	48,038	36,770	232,659	129,703	102,956
Pickens	46,943	38,238	8,705	127,617	103,243	24,374
Richland	71,847	51,906	19,941	195,981	140,146	55,835
Saluda	56,490	39,974	16,516	154,175	107,930	46,245
Spartanburg	115,810	84,951	30,859	315,773	229,368	86,405
Sumter	55,870	33,581	22,289	153,078	90,669	62,409
Union	159,755	82,430	77,325	439,071	222,561	216,510
Williamsburg	108,943	81,344	27,599	296,906	219,629	77,277
York	101,345	76,572	24,773	276,108	206,744	69,364
All counties	4,281,135	2,850,949	1,430,186	11,702,085	7,697,565	4,004,520

^a Counties with no pulpwood production are omitted.

Table 17—Roundwood pulpwood production in Tennessee, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Anderson	13,756	612	13,144	38,455	1,652	36,803
Bedford	79	0	79	221	0	221
Benton	22,973	4,938	18,035	63,831	13,333	50,498
Bledsoe	33,912	15,581	18,331	93,396	42,069	51,327
Blount	10,094	8,857	1,237	27,378	23,914	3,464
Bradley	28,196	21,290	6,906	76,820	57,483	19,337
Campbell	3,063	212	2,851	8,555	572	7,983
Cannon	9	0	9	25	0	25
Carroll	19,184	4,336	14,848	53,281	11,707	41,574
Carter	4,238	0	4,238	11,866	0	11,866
Cheatham	716	31	685	2,002	84	1,918
Chester	7,813	3,667	4,146	21,510	9,901	11,609
Claiborne	2,262	198	2,064	6,314	535	5,779
Cocke	46,742	1,907	44,835	130,687	5,149	125,538
Coffee	8	0	8	22	0	22
Crockett	394	0	394	1,103	0	1,103
Cumberland	48,348	28,654	19,694	132,509	77,366	55,143
Decatur	17,653	2,088	15,565	49,220	5,638	43,582
Dickson	6,221	96	6,125	17,409	259	17,150
Fayette	1,977	153	1,824	5,520	413	5,107
Fentress	14,667	13,984	683	39,669	37,757	1,912
Franklin	5,942	4,909	1,033	16,146	13,254	2,892
Gibson	22	22	0	59	59	0
Giles	19,767	1,405	18,362	55,208	3,794	51,414
Grainger	1,779	405	1,374	4,941	1,094	3,847
Greene	6,910	254	6,656	19,323	686	18,637
Grundy	35,023	15,844	19,179	96,480	42,779	53,701
Hamilton	25,516	21,027	4,489	69,342	56,773	12,569
Hancock	2,312	317	1,995	6,442	856	5,586
Hardeman	24,193	7,674	16,519	66,973	20,720	46,253
Hardin	132,290	77,157	55,133	362,696	208,324	154,372
Hawkins	5,776	0	5,776	16,173	0	16,173
Haywood	2,345	26	2,319	6,563	70	6,493
Henderson	15,954	6,024	9,930	44,069	16,265	27,804
Henry	20,832	4,005	16,827	57,930	10,814	47,116
Hickman	64,961	1,502	63,459	181,740	4,055	177,685
Houston	1,286	0	1,286	3,601	0	3,601
Humphreys	18,802	362	18,440	52,609	977	51,632
Jefferson	2,243	1,888	355	6,092	5,098	994
Johnson	683	0	683	1,912	0	1,912
Knox	8,426	7,149	1,277	22,878	19,302	3,576
Lake	611	0	611	1,711	0	1,711
Lauderdale	3,716	0	3,716	10,405	0	10,405
Lawrence	44,213	4,746	39,467	123,322	12,814	110,508
Lewis	31,679	3,248	28,431	88,377	8,770	79,607
Lincoln	2,040	56	1,984	5,706	151	5,555
Loudon	1,077	589	488	2,956	1,590	1,366

Table 17—Roundwood pulpwood production in Tennessee, 1998 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Madison	5,157	806	4,351	14,359	2,176	12,183
Marion	28,167	24,199	3,968	76,447	65,337	11,110
Marshall	55	0	55	154	0	154
Maury	8,230	290	7,940	23,015	783	22,232
McMinn	45,938	30,459	15,479	125,580	82,239	43,341
McNairy	82,990	39,957	43,033	228,376	107,884	120,492
Meigs	52,712	37,696	15,016	143,824	101,779	42,045
Monroe	24,158	22,426	1,732	65,400	60,550	4,850
Moore	106	0	106	297	0	297
Morgan	46,844	39,746	7,098	127,188	107,314	19,874
Overton	617	337	280	1,694	910	784
Perry	54,814	841	53,973	153,395	2,271	151,124
Polk	28,630	23,738	4,892	77,791	64,093	13,698
Putnam	517	509	8	1,396	1,374	22
Rhea	62,627	52,257	10,370	170,130	141,094	29,036
Roane	12,745	8,711	4,034	34,815	23,520	11,295
Scott	5,033	933	4,100	13,999	2,519	11,480
Sequatchie	65,166	53,482	11,684	177,116	144,401	32,715
Sevier	4,352	178	4,174	12,168	481	11,687
Shelby	592	73	519	1,650	197	1,453
Stewart	37,169	736	36,433	103,999	1,987	102,012
Sullivan	4,598	0	4,598	12,874	0	12,874
Tipton	3,595	0	3,595	10,066	0	10,066
Union	318	318	0	859	859	0
Van Buren	43,345	16,768	26,577	119,690	45,274	74,416
Warren	2,450	2,433	17	6,617	6,569	48
Washington	315	0	315	882	0	882
Wayne	121,233	45,234	75,999	334,929	122,132	212,797
Weakley	47,203	16,969	30,234	130,471	45,816	84,655
White	25,400	17,294	8,106	69,391	46,694	22,697
Williamson	999	368	631	2,761	994	1,767
All counties	1,576,778	701,971	874,807	4,344,780	1,895,324	2,449,456

^a Counties with no pulpwood production are omitted.

Table 18—Roundwood pulpwood production in Texas, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Anderson	35,337	7,876	27,461	98,156	21,265	76,891
Angelina	113,628	112,344	1,284	306,924	303,329	3,595
Bowie	79,025	26,261	52,764	218,644	70,905	147,739
Camp	7,938	1,676	6,262	22,059	4,525	17,534
Cass	298,374	98,246	200,128	825,622	265,264	560,358
Cherokee	81,053	68,488	12,565	220,100	184,918	35,182
Franklin	3,014	990	2,024	8,340	2,673	5,667
Gregg	11,222	9,302	1,920	30,491	25,115	5,376
Grimes	5,272	5,272	0	14,234	14,234	0
Hardin	63,418	56,862	6,556	171,884	153,527	18,357
Harris	6,295	6,149	146	17,011	16,602	409
Harrison	101,198	48,813	52,385	278,473	131,795	146,678
Henderson	2,753	1,714	1,039	7,537	4,628	2,909
Hopkins	469	20	449	1,311	54	1,257
Houston	55,855	55,684	171	150,826	150,347	479
Jasper	93,812	87,438	6,374	253,930	236,083	17,847
Lamar	1,532	103	1,429	4,279	278	4,001
Leon	902	902	0	2,435	2,435	0
Liberty	252,919	188,299	64,620	689,343	508,407	180,936
Marion	112,367	76,423	35,944	306,985	206,342	100,643
Montgomery	61,594	54,027	7,567	167,061	145,873	21,188
Morris	11,899	3,472	8,427	32,970	9,374	23,596
Nacogdoches	62,797	58,187	4,610	170,013	157,105	12,908
Newton	97,504	96,214	1,290	263,390	259,778	3,612
Orange	10,550	8,966	1,584	28,643	24,208	4,435
Panola	78,037	61,367	16,670	212,367	165,691	46,676
Polk	229,816	202,439	27,377	623,241	546,585	76,656
Red River	147,738	73,147	74,591	406,352	197,497	208,855
Rusk	30,785	14,011	16,774	84,797	37,830	46,967
Sabine	19,248	18,402	846	52,054	49,685	2,369
San Augustine	87,937	82,687	5,250	237,955	223,255	14,700
San Jacinto	29,127	29,127	0	78,643	78,643	0
Shelby	109,474	97,313	12,161	296,796	262,745	34,051
Smith	20,361	7,881	12,480	56,223	21,279	34,944
Titus	21,907	1,128	20,779	61,227	3,046	58,181
Trinity	67,791	67,791	0	183,036	183,036	0
Tyler	77,994	73,242	4,752	211,059	197,753	13,306
Upshur	57,637	12,120	45,517	160,172	32,724	127,448
Van Zandt	87	27	60	241	73	168
Walker	96,520	96,511	9	260,605	260,580	25
Waller	492	492	0	1,328	1,328	0
Wood	35,272	11,280	23,992	97,634	30,456	67,178
All counties	2,680,950	1,922,693	758,257	7,314,391	5,191,270	2,123,121

^a Counties with no pulpwood production are omitted.

Table 19—Roundwood pulpwood production in Virginia, 1998

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Accomack	6	0	6	17	0	17
Albemarle	33,911	20,501	13,410	92,901	55,353	37,548
Alleghany	26,811	6,238	20,573	74,447	16,843	57,604
Amelia	148,443	71,022	77,421	408,538	191,759	216,779
Amherst	34,538	14,471	20,067	95,260	39,072	56,188
Appomattox	64,616	43,361	21,255	176,589	117,075	59,514
Augusta	9,004	1,877	7,127	25,024	5,068	19,956
Bath	14,270	3,172	11,098	39,638	8,564	31,074
Bedford	43,491	18,169	25,322	119,958	49,056	70,902
Bland	340	0	340	952	0	952
Botetourt	22,925	6,356	16,569	63,554	17,161	46,393
Brunswick	182,382	144,096	38,286	496,260	389,059	107,201
Buchanan	1,112	0	1,112	3,114	0	3,114
Buckingham	116,957	89,885	27,072	318,492	242,690	75,802
Campbell	116,905	88,284	28,621	318,506	238,367	80,139
Caroline	60,402	37,743	22,659	165,351	101,906	63,445
Carroll	5,297	0	5,297	14,832	0	14,832
Charles City	38,505	23,773	14,732	105,437	64,187	41,250
Charlotte	101,864	46,725	55,139	280,547	126,158	154,389
Chesapeake	18,222	2,865	15,357	50,736	7,736	43,000
Chesterfield	30,336	24,431	5,905	82,498	65,964	16,534
Clarke	9	0	9	25	0	25
Craig	5,048	1,123	3,925	14,022	3,032	10,990
Culpeper	13,146	7,605	5,541	36,049	20,534	15,515
Cumberland	46,546	21,786	24,760	128,150	58,822	69,328
Dickenson	5,479	9	5,470	15,340	24	15,316
Dinwiddie	78,564	54,027	24,537	214,577	145,873	68,704
Essex	19,250	9,867	9,383	52,913	26,641	26,272
Fairfax	909	137	772	2,532	370	2,162
Fauquier	3,355	2,930	425	9,101	7,911	1,190
Floyd	588	0	588	1,646	0	1,646
Fluvanna	12,794	7,801	4,993	35,043	21,063	13,980
Franklin	36,782	24,863	11,919	100,503	67,130	33,373
Frederick	141	141	0	381	381	0
Giles	1,624	37	1,587	4,544	100	4,444
Gloucester	24,960	14,907	10,053	68,397	40,249	28,148
Goochland	29,473	24,928	4,545	80,032	67,306	12,726
Grayson	8,333	0	8,333	23,332	0	23,332
Greene	20	20	0	54	54	0
Greensville	41,459	21,675	19,784	113,918	58,523	55,395
Halifax	72,107	25,805	46,302	199,320	69,674	129,646
Hanover	24,738	17,450	7,288	67,521	47,115	20,406
Henrico	11,574	8,471	3,103	31,560	22,872	8,688
Henry	49,781	31,241	18,540	136,263	84,351	51,912
Highland	8,391	492	7,899	23,445	1,328	22,117
Isle of Wight	55,270	30,531	24,739	151,703	82,434	69,269
James City	25,031	16,893	8,138	68,397	45,611	22,786
King and Queen	38,390	27,595	10,795	104,733	74,507	30,226

Table 19—Roundwood pulpwood production in Virginia, 1998 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
King George	15,738	8,829	6,909	43,183	23,838	19,345
King William	31,600	21,700	9,900	86,310	58,590	27,720
Lancaster	23,383	12,905	10,478	64,182	34,844	29,338
Lee	14,845	18	14,827	41,565	49	41,516
Loudoun	12,804	294	12,510	35,822	794	35,028
Louisa	42,215	28,062	14,153	115,395	75,767	39,628
Lunenburg	66,475	47,128	19,347	181,418	127,246	54,172
Madison	4,195	1,519	2,676	11,594	4,101	7,493
Mathews	7,053	3,425	3,628	19,406	9,248	10,158
Mecklenburg	32,867	13,846	19,021	90,643	37,384	53,259
Middlesex	8,640	4,933	3,707	23,699	13,319	10,380
Montgomery	5,083	529	4,554	14,179	1,428	12,751
Nelson	47,933	29,793	18,140	131,233	80,441	50,792
New Kent	40,212	28,009	12,203	109,792	75,624	34,168
Newport News	3,180	193	2,987	8,885	521	8,364
Northampton	126	10	116	352	27	325
Northumberland	17,780	9,319	8,461	48,852	25,161	23,691
Nottoway	25,579	16,793	8,786	69,942	45,341	24,601
Orange	16,575	9,033	7,542	45,507	24,389	21,118
Patrick	21,602	0	21,602	60,486	0	60,486
Pittsylvania	103,060	53,112	49,948	283,256	143,402	139,854
Powhatan	45,791	23,778	22,013	125,837	64,201	61,636
Prince Edward	62,957	35,686	27,271	172,711	96,352	76,359
Prince George	64,765	53,116	11,649	176,030	143,413	32,617
Prince William	1,958	510	1,448	5,431	1,377	4,054
Pulaski	2,940	525	2,415	8,180	1,418	6,762
Rappahannock	99	10	89	276	27	249
Richmond	15,155	9,290	5,865	41,505	25,083	16,422
Roanoke	3,852	669	3,183	10,718	1,806	8,912
Rockbridge	22,670	6,230	16,440	62,853	16,821	46,032
Rockingham	3,046	325	2,721	8,497	878	7,619
Russell	5,167	0	5,167	14,468	0	14,468
Smyth	21,234	0	21,234	59,455	0	59,455
Southampton	124,967	57,466	67,501	344,161	155,158	189,003
Spotsylvania	50,838	32,312	18,526	139,115	87,242	51,873
Stafford	6,905	3,521	3,384	18,982	9,507	9,475
Suffolk	41,383	21,246	20,137	113,748	57,364	56,384
Surry	62,302	46,529	15,773	169,792	125,628	44,164
Sussex	89,449	51,574	37,875	245,300	139,250	106,050
Tazewell	3,230	0	3,230	9,044	0	9,044
Virginia Beach	5,404	1,432	3,972	14,988	3,866	11,122
Washington	9,053	0	9,053	25,348	0	25,348
Westmoreland	15,133	10,336	4,797	41,339	27,907	13,432
Wise	11,333	0	11,333	31,732	0	31,732
Wythe	7,323	0	7,323	20,504	0	20,504
York	2,816	1,648	1,168	7,720	4,450	3,270
All counties	2,904,814	1,638,956	1,265,858	7,969,587	4,425,185	3,544,402

^a Counties with no pulpwood production are omitted.

Table 20—Softwood roundwood pulpwood movement between States, 1998

Southeast													
Exported to:													
Imported from:	Florida	Georgia	North Carolina	South Carolina	Virginia	Alabama	Louisiana	Maryland	Mississippi	Pennsylvania	Tennessee	Other ^a	Roundwood production
<i>Standard cords</i>													
Florida	2,975,783	435,917	0	0	0	103,012	0	0	2,385	0	0	0	3,517,097
Georgia	621,518	3,979,839	159	423	0	359,263	961	0	3,571	0	158,902	0	5,124,636
North Carolina	1,879	1,312	1,575,587	879,793	133,398	0	0	0	0	0	5,378	0	2,597,347
South Carolina	17,220	446,239	269,875	2,116,119	0	1,496	0	0	0	0	0	0	2,850,949
Virginia	0	0	143,184	1,908	1,422,395	0	0	36,826	0	34,616	18	9	1,638,956
Alabama	428,919	471,000	0	0	0	0	0	0	0	0	0	0	NA
Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	NA
Maryland	0	0	0	0	1,163	0	0	0	0	0	0	0	NA
Mississippi	44,564	0	0	0	0	0	0	0	0	0	0	0	NA
Pennsylvania	0	0	0	0	0	0	0	0	0	0	0	0	NA
Tennessee	0	3,550	3,389	0	0	0	0	0	0	0	0	0	NA
West Virginia	0	0	0	0	5,113	0	0	0	0	0	0	0	NA
Other	0	0	0	0	0	0	0	0	0	0	0	0	NA
Roundwood receipts	4,089,883	5,337,857	1,992,194	2,998,243	1,562,069								15,728,985
Total Southeast receipts = 15,980,246													

South Central														
Exported to:														
Imported from:	Alabama	Arkansas	Kentucky	Louisiana	Mississippi	Oklahoma	Tennessee	Texas	Florida	Georgia	North Carolina	South Carolina	Other ^b	Roundwood production
<i>Standard cords</i>														
Alabama	5,131,461	0	0	4,693	272,162	0	219,811	11	428,919	471,000	0	0	0	6,528,057
Arkansas	0	1,249,356	0	376,529	643	182,540	2,085	190,960	0	0	0	0	0	2,002,113
Kentucky	0	0	39,457	0	19	0	7,124	0	0	0	0	0	5,544	52,144
Louisiana	1,921	47,265	0	3,101,915	33,209	0	0	148,561	0	0	0	0	0	3,332,871
Mississippi	383,489	51	0	753,292	1,796,241	0	396,409	0	44,564	0	0	0	0	3,374,046
Oklahoma	0	100,736	0	635	0	421,804	0	4,689	0	0	0	0	0	527,864
Tennessee	50,820	0	42,065	0	40	0	601,790	0	0	3,550	3,389	0	317	701,971
Texas	11	47,528	0	457,460	0	60,005	0	1,357,689	0	0	0	0	0	1,922,693
Florida	103,012	0	0	0	2,385	0	0	0	0	0	0	0	0	NA
Georgia	359,263	0	0	961	3,571	0	158,902	0	0	0	0	0	0	NA
Illinois	0	0	6,323	0	398	0	0	0	0	0	0	0	0	NA
North Carolina	0	0	0	0	0	0	5,378	0	0	0	0	0	0	NA
South Carolina	1,496	0	0	0	0	0	0	0	0	0	0	0	0	NA
Other ^c	0	0	3,778	0	0	0	18	0	0	0	0	0	0	NA
Roundwood receipts	6,031,473	1,444,936	91,623	4,695,485	2,108,668	664,349	1,391,517	1,701,910						18,441,759
Total South Central receipts = 18,129,961														

^a Other destinations include Ohio.

^b Other destinations include Ohio.

^c Other sources include Missouri and Virginia.

Table 21—Hardwood roundwood pulpwood movement between States, 1998

Southeast													
Imported from:	Exported to:												Roundwood production
	Florida	Georgia	North Carolina	South Carolina	Virginia	Alabama	Louisiana	Maryland	Mississippi	Pennsylvania	Tennessee	Other ^a	
<i>Standard cords</i>													
Florida	322,337	125,441	0	0	0	20,179	0	0	0	0	0	0	467,957
Georgia	102,704	1,572,180	0	10,300	0	233,238	26	0	0	0	35,665	30,539	1,984,652
North Carolina	545	8,049	1,216,310	350,255	246,055	0	0	0	0	0	2,343	45,923	1,869,480
South Carolina	0	436,132	39,363	954,492	0	199	0	0	0	0	0	0	1,430,186
Virginia	0	1,860	72,733	9,531	1,094,209	0	0	4,992	0	10,634	71,899	0	1,265,858
Alabama	420,996	83,080	825	0	0	0	0	0	0	0	0	0	NA
Louisiana	0	0	0	67	0	0	0	0	0	0	0	0	NA
Maryland	0	0	0	0	410	0	0	0	0	0	0	0	NA
Mississippi	3,732	0	0	0	0	0	0	0	0	0	0	0	NA
Tennessee	2,099	5,415	79,867	0	0	0	0	0	0	0	0	0	NA
West Virginia	0	0	0	0	144,863	0	0	0	0	0	0	0	NA
Other ^b	0	0	1,409	978	0	0	0	0	0	0	0	0	NA
Roundwood receipts	852,413	2,232,157	1,410,507	1,325,623	1,485,537								7,018,133

Total Southeast receipts = 7,306,237

South Central														
Imported from:	Exported to:												Roundwood production	
	Alabama	Arkansas	Kentucky	Louisiana	Mississippi	Oklahoma	Tennessee	Texas	Florida	Georgia	North Carolina	South Carolina		Other ^c
<i>Standard cords</i>														
Alabama	3,548,511	0	0	29	26,632	0	105,131	0	420,996	83,080	825	0	0	4,185,204
Arkansas	0	1,007,662	0	108,222	4,054	3,934	0	126,995	0	0	0	0	0	1,250,867
Kentucky	0	0	161,780	543	0	0	2,573	0	0	0	16	0	32,364	197,276
Louisiana	5,505	164,748	0	978,868	71,006	0	0	39,805	0	0	0	67	0	1,259,999
Mississippi	1,185,617	65,287	0	447,521	865,307	0	223,430	0	3,732	0	0	0	0	2,790,894
Oklahoma	0	161,634	0	0	0	56,849	0	8,290	0	0	0	0	0	226,773
Tennessee	278,733	0	185,950	1,189	16,382	0	305,172	0	2,099	5,415	79,867	0	0	874,807
Texas	10	283,152	0	102,345	0	7,868	0	364,874	0	0	0	8	0	758,257
Florida	20,179	0	0	0	0	0	0	0	0	0	0	0	0	NA
Georgia	233,238	711	29,828	26	0	0	35,665	0	0	0	0	0	0	NA
Illinois	0	55	29,623	2,032	0	0	0	0	0	0	0	0	0	NA
North Carolina	0	0	45,923	0	0	0	2,343	0	0	0	0	0	0	NA
South Carolina	199	0	0	0	0	0	0	0	0	0	0	0	0	NA
Other ^d	0	30,793	49,973	0	0	0	71,899	0	0	0	0	0	0	NA
Roundwood receipts	5,271,992	1,714,042	503,077	1,640,775	983,381	68,651	746,213	539,964						11,544,077

Total South Central receipts = 11,468,095

^a Other destinations include Arkansas and Kentucky.

^b Other sources include Kentucky, New York, and Texas.

^c Other destinations include Ohio.

^d Other sources include Indiana, Missouri, and Virginia.

Table 22—Southern pulpmills, by process and capacity, 1998

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
<i>Tons</i>							
Alabama							
Clairborne ^c	[1,2,3]	Alabama River Companies	3,250	2,650	600	0	0
Jackson	[4]	Boise Cascade Corporation	600	600	0	0	0
Courtland	[5]	Champion International Corporation	2,600	2,600	0	0	0
Demopolis	[6]	Gulf States Paper Corporation	950	950	0	0	0
Selma	[7]	International Paper Company	1,375	1,375	0	0	0
Mobile	[8]	International Paper Company	1,500	1,200	300	0	0
Naheola	[9]	Fort James Corporation	1,450	1,450	0	0	0
Brewton	[10]	Smurfit-Stone Container Corporation	1,100	1,100	0	0	0
Coosa Pines	[11]	U.S. Alliance Coosa Pines Corporation	1,780	1,100	680	0	0
Pine Hill	[12]	MacMillan Bloedel Packaging, Incorporated	1,700	1,150	0	550	0
Cottonton	[13]	Mead Coated Board, Incorporated	2,240	2,240	0	0	0
Stevenson	[14]	Mead Corporation	908	0	0	908	0
Mobile	[15]	Kimberly-Clark Corporation	1,650	1,650	0	0	0
Pratville	[16]	Union Camp Corporation	2,525	2,525	0	0	0
		Total	23,628	20,590	1,580	1,458	0
Arkansas							
Pine Bluff	[17]	Gaylord Container Corporation	350	350	0	0	0
Ashdown	[18]	Georgia-Pacific Corporation	2,450	2,450	0	0	0
Crossett	[19]	Georgia-Pacific Corporation	1,600	1,600	0	0	0
North Little Rock	[20]	Georgia-Pacific Corporation	170	0	170	0	0
Morrilton	[21]	Green Bay Packaging, Incorporated	800	800	0	0	0
Camden	[22]	International Paper Company	723	723	0	0	0
Pine Bluff	[23]	International Paper Company	1,700	1,300	400	0	0
McGehee	[24]	Potlatch Corporation	550	550	0	0	0
		Total	8,343	7,773	570	0	0
Florida							
Perry	[25]	Buckeye Florida, LP	1,100	1,100	0	0	0
Cantonment	[26]	Champion International Corporation	1,510	1,510	0	0	0
Palatka	[27]	Georgia-Pacific Corporation	1,425	1,425	0	0	0
Fernandina Beach	[28]	Rayonier, Incorporated	470	0	0	0	470
Fernandina Beach	[29]	Smurfit-Stone Container Corporation	2,400	2,400	0	0	0
Jacksonville	[30]	Smurfit-Stone Container Corporation	1,000	1,000	0	0	0
Port St. Joe	[31]	Florida Coast Paper Company, LLC	1,700	1,700	0	0	0
Panama City	[32]	Smurfit-Stone Container Corporation	1,800	1,800	0	0	0
		Total	11,405	10,935	0	0	470
Georgia							
Augusta	[33]	Augusta Newsprint Company	1,600	0	1,600	0	0
Augusta	[34]	International Paper Company	1,700	1,700	0	0	0
Brunswick	[35]	Georgia-Pacific Corporation	2,300	2,300	0	0	0
Cedar Springs	[36]	Georgia-Pacific Corporation	2,825	2,300	0	525	0
St. Marys	[37]	Gilman Paper Company	1,200	1,200	0	0	0
Rome	[38]	Inland Paperboard and Packaging, Inc.	2,250	2,250	0	0	0
Riceboro	[39]	Interstate Paper LLC	680	680	0	0	0
Jesup	[40]	Rayonier, Incorporated	1,620	1,620	0	0	0
Valdosta	[41]	Tenneco Packaging	1,250	1,250	0	0	0
Macon	[42]	Riverwood International Corporation	1,000	1,000	0	0	0
Port Wentworth	[43]	Smurfit-Stone Container Corporation	1,590	1,590	0	0	0
Savannah	[44]	Union Camp Corporation	3,000	3,000	0	0	0
Oglethorpe	[45]	Weyerhaeuser Company	935	935	0	0	0
		Total	21,950	19,825	1,600	525	0

Table 22—Southern pulpmills, by process and capacity, 1998 (continued)

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
<i>Tons</i>							
Kentucky							
Wickliffe	[46]	Westvaco Corporation	850	850	0	0	0
Hawesville	[47]	Willamette Industries	980	800	0	180	0
Total			1,830	1,650	0	180	0
Louisiana							
DeRidder	[48]	Boise Cascade Corporation	1,975	1,300	675	0	0
Bogalusa	[49]	Gaylord Container Corporation	2,150	2,150	0	0	0
Port Hudson	[50]	Georgia-Pacific Corporation	1,950	1,950	0	0	0
Bastrop	[51]	International Paper Company	1,300	1,300	0	0	0
Pineville	[52]	International Paper Company	1,100	1,100	0	0	0
Mansfield	[53]	International Paper Company	2,240	1,700	0	540	0
St. Francisville	[54]	Crown Vantage, Incorporated	575	575	0	0	0
St. Francisville	[55]	Crown Vantage, Incorporated	200	0	200	0	0
West Monroe	[56]	Riverwood International Corporation	1,980	1,730	0	250	0
Hodge	[57]	Smurfit-Stone Container Corporation	1,750	1,500	0	250	0
Campti	[58]	Willamette Industries, Incorporated	2,300	2,300	0	0	0
Total			17,520	15,605	875	1,040	0
Mississippi							
Monticello	[59]	Georgia-Pacific Corporation	2,500	2,500	0	0	0
New Augusta	[60]	Georgia-Pacific Corporation	1,550	1,550	0	0	0
Moss Point	[61]	International Paper Company	660	660	0	0	0
Natchez	[62]	International Paper Company	1,300	1,300	0	0	0
Vicksburg	[63]	International Paper Company	1,200	1,200	0	0	0
Grenada	[64]	Newsprint South Incorporated	675	0	675	0	0
Columbus	[65]	Weyerhaeuser Company	1,540	1,320	0	220	0
Total			9,425	8,530	675	220	0
North Carolina							
Roaring River	[66]	ABTco, Incorporated	475	0	475	0	0
Canton	[67]	Champion International Corporation	1,450	1,450	0	0	0
Roanoke Rapids	[68]	Champion International Corporation	1,300	1,300	0	0	0
Riegelwood	[69]	International Paper Company	2,400	2,400	0	0	0
Conway	[70]	Georgia-Pacific Corporation	200	0	200	0	0
New Bern	[71]	Weyerhaeuser Company	882	882	0	0	0
Plymouth	[72]	Weyerhaeuser Company	2,090	1,840	0	250	0
Total			8,797	7,872	675	250	0
Oklahoma							
Pryor	[73]	Georgia-Pacific Corporation	50	0	50	0	0
Valliant	[74]	Weyerhaeuser Company	2,150	1,650	0	500	0
Total			2,200	1,650	50	500	0
South Carolina							
Catawba	[75]	Bowater Incorporated	2,470	1,470	1,000	0	0
Georgetown	[76]	International Paper Company	1,750	1,650	0	100	0
Sellers	[77]	International Paper Company	450	0	450	0	0
Hartsville	[78]	Sonoco Products Company	300	0	0	300	0
Florence	[79]	Smurfit-Stone Container Corporation	1,530	1,530	0	0	0
Eastover	[80]	Union Camp Corporation	1,862	1,862	0	0	0
Charleston	[81]	Westvaco Corporation	2,300	2,300	0	0	0
Bennettsville	[82]	Willamette Industries, Incorporated	750	750	0	0	0
Total			11,412	9,562	1,450	400	0

Table 22—Southern pulpmills, by process and capacity, 1998 (continued)

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
<i>Tons</i>							
Tennessee							
Calhoun	[83]	Bowaters Newsprint	2,550	1,000	1,550	0	0
New Johnsonville	[84]	Inland Paperboard and Packaging, Inc.	400	0	0	400	0
Kingsport	[85]	Willamette Industries Incorporated	360	0	0	0	360
Counce	[86]	Tenneco Packaging	2,500	2,500	0	0	0
Knoxville	[87]	Tamko Roofing Products, Incorporated	125	0	125	0	0
Total			5,935	3,500	1,675	400	360
Texas							
Sheldon	[88]	Donohue Industries, Incorporated	1,525	575	950	0	0
Lufkin	[89]	Donohue Industries, Incorporated	1,345	545	800	0	0
Texarkana	[90]	International Paper Company	1,550	1,550	0	0	0
Pasadena	[91]	Pasadena Paper Company	875	875	0	0	0
Orange	[92]	Inland Paperboard and Packaging, Inc.	1,150	1,150	0	0	0
Diboll	[93]	Temple-Inland Forest Products Corporation	500	0	500	0	0
Silsbee	[94]	Inland Eastex	1,850	1,850	0	0	0
Total			8,795	6,545	2,250	0	0
Virginia							
Ashland	[95]	Bear Island Paper Company, LLC	880	0	880	0	0
West Point	[96]	St. Laurent Paper Products Corporation	1,930	1,930	0	0	0
Jarratt	[97]	Georgia-Pacific Corporation	400	0	400	0	0
Big Island	[98]	Georgia-Pacific Corporation	600	0	0	600	0
Hopewell	[99]	Smurfit-Stone Container Corporation	1,050	1,050	0	0	0
Franklin	[100]	Union Camp Corporation	2,030	2,030	0	0	0
Riverville	[101]	Greif Brothers Corporation	550	0	0	550	0
Covington	[102]	Westvaco Corporation	1,600	1,600	0	0	0
Danville	[103]	Masonite Corporation	330	0	330	0	0
Total			9,370	6,610	1,610	1,150	0
Total South			140,610	120,647	13,010	6,123	830

^a Corresponds to numbers at locations on the preceding mill capacity map.

^b Lockwood-Post's Directory (1999) and other sources.

^c This is pulping capacity for three mills at this site.

Table 23—Other mills using southern pulpwood in 1998, by process and capacity

Location	Company	Pulping capacity, 24 hours ^a				
		All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
<i>Tons</i>						
Maryland						
Luke	Westvaco Corporation	882	882			
Ohio						
Chillicothe	Mead Corporation	950	950			
Circleville	Smurfit-Stone Container Corporation	200			200	
Pennsylvania						
Spring Grove	P.H. Glatfelter Company	680	680			

^a Lockwood-Post's Directory (1999) and other sources.



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Johnson, Tony G.; Stepleton, Carolyn D. 2000. Southern pulpwood production, 1998. Resour. Bull. SRS-50. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 34 p.

In 1998, the South's production of pulpwood declined 2 percent to 74.7 million cords. Roundwood production dropped to 52.7 million cords and accounted for 71 percent of the total pulpwood production. The use of wood residue increased to 21.9 million cords. Alabama leads the South in total production, number of mills, and pulping capacity. Currently, 103 mills are operating and drawing wood from the 13 Southern States. Southern mills' pulping capacity of 140,610 tons per day accounts for more than two-thirds of the Nation's total pulping capacity.

Keywords: Pulping capacity, pulpmills, pulpwood, residues, roundwood.

United States
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